1970455001 - Will Co. Lennon Wallpaper EPA Region 5 Records Ctr. ILD 984799759 SF/HRS **CERCLA** Preliminary Assessment Report Illinois Environmental **Protection Agency** P.O. Box 19276, Springfield, IL 62794-9276 Pre-Remedial INITIALS (Confidential Material May be Enclosed

SEPA

EPA FORM 2070-12 (7-81)

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION

OI STATE 02 SITE NUMBER

ILD 984799759

PART 1	SITE INFORMAT	TION AP	ID ASSESSMEI	NT LACE	10111121
II. SITE NAME AND LOCATION					
01 SITE NAME (Legal, common, or descriptive name of alle)		02 STREE	T, ROUTE NO., OR SI	PECIFIC LOCATION IDENTIFIER	
Lennon Wallpaper	Wallpaper 807 Fourth Avenue				
03 CITY			05 ZIP CODE 06		07COUNTY 06 CONG CODE DIST
Joliet		$\mathcal{I}^{\mathcal{I}}$.	60436	Will	197 04
09 COORDINATES LATITUDE LONG	GITUDE				
10 DIRECTIONS TO SITE (Starting from nearest public read) (ex/t east of R/4 53 on I	<u>3 35</u>	Joh	et Quad		
, exit east of Rie 53 on I	80, North	<i>t</i> o	4 cm Avenu	ue, East on F	burth to facility
III. RESPONSIBLE PARTIES	··· · <u>,</u>				
01 OWNER (# Impum)		02 STREE	T (Business, mailing, reek	Annolus)	
Lennon Wallpaper Company		400	o Earl .	Rd.	
оз сту		04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	T
Shorewood II		IL	60436	()	
07 OPERATOR (If known and different from owner)			T (Business, mailing, reak	lenne)	
Inactive	ì				
09 CITY		10 STATE	I 11 ZIP CODE	12 TELEPHONE NUMBER	7
			1	()	ļ
13 TYPE OF OWNERSHIP (Check and)			1	<u> </u>	 . `
🖪 A. PRIVATE 🗆 B. FEDERAL:	(Agency name)	-	_ C. STATE	D.COUNTY E.M	UNICIPAL
☐ F. OTHER:	, , , , , , , , , , , , , , , , , , ,		_ 🛛 G. UNKNO	WN .	
(Specification on FILE (Check of the cook)	"				
	B. UNCONTROLL	ED WAST	E SITE (CERCIA 103 d	DATE RECEIVED:	FIC NONE
IV. CHARACTERIZATION OF POTENTIAL HAZARD				MONTH	DAY YEAR
	cit all that apply)			······································	
INO MONTH DAY YEAR C E	EPA 🗆 B. EPA	CONTRA	ACTOR DEC	STATE D. OTHE	CONTRACTOR
□ NO MONTH DAY YEAR □ E.I	OCAL HEALTH OFFI	CIAL	□ F. OTHER:	(Specify)	
CONT	RACTOR NAME(S): _	 .			
02 SITE STATUS (Check one)	03 YEARS OF OPERA		1 :000		
□ A. ACTIVE 英B. INACTIVE □ C. UNKNOWN		/9/9 EGB4HNG Y	/988 EAR ENDING Y		N .
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN		E(Desire) Y	EAN CRUMG T	: M	
EP Tox Lead					
Semi Volatiles					
Dioxin					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND	OR PORTLATION				
Groundwater (Environment	·				
Direct Contact (Environment/Population	₂)				
Surface Water (Environment/Popular	nen)				
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one, if high or medium is checked, of A. HIGH	complete Part 2 - Waste Inform C. LOW (Inspect on time (D. NONE	dous Conditions and Incidents) r action needed, complete current disp	settion form)
VI. INFORMATION AVAILABLE FROM	 -				
01 CONTACT	02 OF (Agency/Organiza	ettoni			03 TELEPHONE NUMBER
		- •			()
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	TOR OPP	ANIZATION	TOT TELEPHONE NUMBER	08 DATE
	1	1			10 20 0-
Hank Konzelmann	IEPA	ILPC	-Pre Remedia	1 12171782-6760	NONTH DAY YEAR

Ω		N.
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POTENTIAL HAZARDOUS WASTE SITE

	IFICATION	
01 STATE	02 SITE NUMBER	**

VEI	A			ASSESSMENT EINFORMATION		OI STATE OZ SITEM	IUMBER
II. WASTE S'	TATES, QUANTITIES, AN	ND CHARACTERI			 		
	TATES (Check at that apply:	02 WASTE QUANTI		T 03 WASTE CHARACTE	ERISTICS (Check all that appl	lu)	·
A SOLID B POWDE		·Measures of	i meste quantities intependent UNKNOWN	A TOXIC B CORROS C RADIOA	E SOLUBL	E 1 HIGHLY	ive .
-	Sediments (Specify)	CUBIC YARDS		D PERSIS	TENT H IGNITAB	LE L'INCOME	
III. WASTE T		<u> </u>		<u> </u>		· · · · · · · · · · · · · · · · · · ·	
CATEGORY	SUBSTANCE N	NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE		0.0.000	0	03 COMMENTS		
OLW	OILY WASTE		<u> </u>	<u> </u>			
SOL	SOLVENTS			 			
PSD	PESTICIDES			 			
осс	OTHER ORGANIC CH	HEMICALS	Unknown	 	DIOXID S	emi volatiles	
IOC	INORGANIC CHEMIC	CALS	Tom Marie	 	2100111	com voice in a	
ACD	ACIDS		<u> </u>	† 			
BAS	BASES						
MES	HEAVY METALS		Unknown		EP Tox Lead	/	·
IV. HAZARD	OUS SUBSTANCES (500 A	Appendis for most frequent		· · · · · · · · · · · · · · · · · · ·			
01 CATEGORY	02 SUBSTANCE N	VAME	03 CAS NUMBER	04 STORAGE:DIS	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	EP Tox Lead			UNKNOWA		14.6	00 m
	2.3.7.8 tetrac	hlorodibenzo	1746016	Unknown		0.25	00 b
	, , , , , , , , , , , , , , , , , , ,	-diaxin		,			
	A11	mer s		Unknown		6470	onh
							77
							
			1				
				1			1
<u> </u>	 		 				
	1		†				
		<u> </u>		<u> </u>	=		
V. FEEDST	OCKS (See Appendix for CAS Numb	thers.					
CATEGORY			02 CAS NUMBER	CATEGORY	01 FEEDSTO	CK NAME	02 CAS NUMBER
FDS		JA (MAIL	-	FDS			
FDS			 	FDS		·	
FDS				FDS			
FDS		· · · · · ·	 	FDS			···
<u> </u>	ES OF INFORMATION (CAR			<u></u>			
	Environmental Protection 1989 Works with Company Ry				lution Control	Files	

€FPA

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION 01 STATE 02 SITE NUMBER PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS
II. HAZARDOUS CONDITIONS AND INCIDENTS
01 X. A. GROUNDWATER CONTAMINATION 02 LI OBSERVED (DATE) X POTENTIAL ALLEGED 03 POPULATION POTENTIALLY AFFECTED: 1/200 04 NARRATIVE DESCRIPTION
Groundwater 4 feet below ground surface in nightly permeable layer. Discoloration
observed at water table.
01 X B. SURFACE WATER CONTAMINATION 02 TO OBSERVED (DATE:) X POTENTIAL ALLEGED 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION
ILPA Files contain complaints of discoloration in nearby stroam/ditch
Hickory Creek is approximately 1800 ft to the North and the Des Plainer River is about 1.5 miles to the west.
01 C CONTAMINATION OF AIR 02 C OBSERVED (DATE) . POTENTIAL C ALLEGED 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION
Unknown
01 G D FIRE/EXPLOSIVE CONDITIONS 02 G OBSERVED (DATE:) G POTENTIAL G ALLEGED 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION
Unknown
01 💢 E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED. 04 NARRATIVE DESCRIPTION 05 CO OBSERVED (DATE:
Unknown
01 % F. CONTAMINATION OF SOIL 02 % OBSERVED (DATE: June, 1989) POTENTIAL ALLEGED 04 NARRATIVE DESCRIPTION
Proxin compounds and Heavy Metals detected in the Soils and Lagarn Sediments.
01 % G. DRINKING WATER CONTAMINATION 02 LI OBSERVED (DATE) X POTENTIAL ALLEGED 03 POPULATION POTENTIALLY AFFECTED // 000 04 NARRATIVE DESCRIPTION
Unknown
01 X H. WORKER EXPOSURE/INJURY 4 02 (3 OBSERVED (DATE
03 WORKERS POTENTIALLY AFFECTED: 4 04 NARRATIVE DESCRIPTION
Unknown Evidence of buildocer activity could be seen in the area when
01 🔀 I. POPULATION EXPOSURE/INJURY 02 () OBSERVED (DATE:) DOTENTIAL GALLEGED 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION
Unknown. Residential Areas are adjacent to the property and a Grade school is located within 500 feet of the site.
and a Grade school is located within 500 teet of the site.

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

	4	ЮE	NTU	ICAT	MON	
ı	01	STA	TEO	2 SITE	NUMBER	
1	1	r L	· 1			

PART 3 - DESCRIPTION OF HA	ZARDOUS CONDITIONS AND INCIDENT	s لشتها	
IL HAZARDOUS CONDITIONS AND INCIDENTS (Continued)			
01 J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 CJ OBSERVED (DATE:)	□ POTENTIAL	□ ALLEGED
Unknown			
01 K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include numerial of species)	02 🗆 OBSERVED (DATE:)	POTENTIAL	□ ALLEGED
Unknown			
01 (X)L. CONTAMINATION OF FOOD CHAIN 04 MARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	, ,	
Surface water runoff into Des Plaines River which could	ditches could reach Hich bioaccumulate in fish.	kory Creek	tor the
01 () M UNSTABLE CONTAINMENT OF WASTES (Substance) Standing South Sading South) 03 POPULATION POTENTIALLY AFFECTED.	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	□ POTENTIAL	□ ALLEGED
Unknown			
01 X N DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 Li OBSERVED (DATE:)	• •	
Unknown. Property owner east, and west and ha	d by the City of Jolied s indications of being co	L lies to ntaminated.	the North,
01 C O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTP. 04 NARRATIVE DESCRIPTION	02 () OBSERVED (DATE:)	□ POTENTIAL	□ ALLEGED
Unknown			
01 (1) P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	□ POTENTIAL	□ ALLEGED
unknown			
			
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLI	EGED HAZARDS		
M. TOTAL POPULATION POTENTIALLY AFFECTED:			
IV. COMMENTS			
A site reconnaisance was con	ducted October 11, 1990		·
V. SOURCES OF INFORMATION (Cre apocific references, e. g., state file	s. sample analysts, reports)	·	
IEPA - Division of Land Pollution	Control Files		

Executive Summary

Lennon Wallpaper was placed into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on September 30, 1990 as a result of a request for discovery action initiated by the Illinois Environmental Protection Agency. This action was taken was taken as a result of the discovery of heavy metals and dioxin compounds in the soil and sediments on the site.

The Lennon Wallpaper facility (LWC) is an approximately 20 acre site located at 807 Fourth Avenue in Will County, Joliet, Illinois (Southwest 1/4 of the Northwest 1/4 of Section 14, Township 35 North, Range 10 East. The surrounding properties include residential properties adjacent to the west and north, United DeSoto 800 feet to the northeast, Ivex Company 3000 feet to the east, and a public swimming lake and beach adjacent to the south. United DeSoto is a former wallpaper manufacturer which currently produces soap. The Ivex Company manufactures industrial paper and also formerly produced wallpaper.

Lennon Wallpaper, Inc. was in operation at this site for approximately 70 years. The property is currently owned by North American Decorative Products of Toronto, Canada (which bought the joint owner, Thomas Industries of Louisville, Kentucky in 1988). The facility ceased operation in 1988 and relocated to Shorewood. The buildings were bought by Mr. Doug

Silverman in 1990 for use as a warehouse facility and the remaining property is currently being leased by him.

The former LWC facility manufactured only wallpaper since 1919. The process consists of printing patterns onto paper. Prior to approximately 1970, LWC used a heavy newsprint type paper and metal based pigments. After approximately 1970, LWC switched to paper with vinyl fibers for strength. During this period, titanium was used as a base white pigment and other pigments were also used to make other colors. Pigments commonly used contained titanium and chromium oxides, carbon black, and ethylene and diethylene glycol.

As reported by LWC, all equipment was cleaned daily with water only and no solvents were used as the carrier, as the pigments were not oil based. In the 1930's and 1940's wastes and wastewater was reportedly dumped in the open areas to the north and east by all the manufacturers in the area. At some time, probably during the 1950's, wastewater from LWC was discharged to the Joliet sewer system. In 1970, the city of Joliet informed the company that they could no longer accept the untreated wastewater. At that time, the owners attempted to treat their wastewater by filtering and settling techniques. Apparently, at this early developmental stage of wastewater treatment engineering, the system did not work and frequently froze during the winter months, forcing the plant to shut down on several occasions. In the mid 1970's, two 4 to 5 foot deep pits were

dug on the east side of the property which were used as settling ponds. Sludges from the pits were reportedly removed to landfills periodically. After a period of heavy rain sometime in the mid-to-late 1970's, IEPA notified LWC to stop using the pits because the lagoons overflow could adversely impact adjacent surface waters. Between 1980 and 1981, the company installed a new wastewater treatment plant. According to LWC, waste liquids were collected in two settling tanks in the treatment area. After settling of suspended solids occurred in the tanks, the liquids were discharged to the Joliet sewer system. Solids were then transferred to the concrete settling ponds located on the east side of the facility where the remaining liquids were removed and run through the process again. The sludges were removed periodically and hauled as a special waste to landfills.

On June 22, 1989, the Illinois Environmental Protection Agency (IEPA) collected soil and sediment samples from various areas of the property. Three sediment samples were collected from the former lagoon area and four soil samples were collected from test pits. Analysis of these samples revealed concentrations of soluble (EP Tox) lead at 14.6 ppm in a sediment sample and 5.6 ppm in a soil sample. In addition, octachloro-dibenzo-dioxin was detected as a tentatively identified compound in two soil samples. These samples were submitted to Triangle Laboratories in Durham, North Carolina for confirmation. Analysis of these samples detected 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-

TCDD) at 0.25 ppb in one of the soil samples. 2,3,7,8,-TCDD has known carcinogenic toxicity and is used as a reference for the other dioxin compounds. Other dioxin and furan isomers ranging from 0.02 ppb to 6470 ppb in the soil were also detected.

Applying the 2,3,7,8-TCDD Equivalency Method to calculate the isomer's toxicity, sample equivalents to 2,3,7,8-TCDD were 2.13 ppb in one soil sample and 1.3 ppb in the other sample.

The author conducted a site reconnaissance between 10:30 and 2:00 pm on October 11, 1990. The inspection confirmed that the buildings are currently being used to store and sort recycled magazines and paper. Portions of the property boundary have fences on them, but the fencing is incomplete and access to the site is unsecured to the south and east. Recently, fences were installed which enclose two parts of the property. However, these fences do not enclose areas known to possess contamination. In addition, recent clearing activities outside of these fenced areas have removed vegetative cover and exposed paint wastes and potentially contaminated soils.

The facility is located on an alluvial terrace associated with the Des Plaines River Valley. Review of area well logs indicates that bedrock beneath the site is at approximately 20 feet below ground surface. Overlying the bedrock are sand and gravel deposits which were deposited in valley trains by glacial meltwaters.

The aquifer of concern lies in overburden and the Silurium Dolomite underlying the site. The upper limit of the aquifer was observed at approximately 4 feet below the ground surface on the site during the June, 1989 Agency inspection. According to the Woodward Clyde work plan, downward percolating water provides recharge for this upper aquifer and the hydraulic conductivity is estimated to be about 1X10-3 cm/sec. The groundwater flow direction in the vicinity may to be westerly towards Hickory Creek and the Des Plaines River or southerly, toward abandoned quarries.

IEPA records indicate that one well, approximately 150 ft deep was used to provide processing water to LWC. Water for sanitation was obtained from municipal sources. The City of Joliet obtains water from 14 wells. Five wells are screened in the aquifer of concern and are located over four miles to the northwest and west of the site. The remaining municipal wells are screened at depths in excess of 1500 feet below ground. The closest municipal well is located approximately 2,000 feet northeast of the site and is screened at 1608 ft depth.

According to the Illinois State Water Survey, 3,236 domestic wells are located within 4 miles of the site, and the closest private well is approximately 1/4 mile to the southeast.

According to the Joliet Water District and from review of census information, it is estimated that approximately 11,000 people use water from the public and private wells located within four

miles of the site using the aquifer of concern.

Topographic features suggest that the overland flow from the site may be in a north northeast direction towards Hickory

Creek, approximately 1800 feet to the north which flows to the Des Plaines River 1.5 miles to the west. According to IEPA records, no downstream public water intakes exist within 15 miles. Two lakes, probably occupying former quarries, are present to the south and southwest. The lake located immediately south of the site is used by the Joliet Beach Club for swimming and recreation. Fences enclosing the property owned by the Lennon Wallpaper Company were recently constructed. However, access to potentially contaminated property owned by the City of Joliet remains unrestricted. In addition, private residential properties located adjacent to the facility may be contaminated. The estimated population within a one mile radius of the site is about 10,000 people.

Due to the toxic nature of 2,3,7,8-TCDD, its confirmed presence and the potential risks it poses to the population and environment, the author has assigned a "high" priority rating to this site and recommends that the Region V office of the USEPA advance this facility to the Screening Site Inspection Stage of the PreRemedial process.

Lennon Wallpaper Chemical summary

1978 Sampling Event

Tests Performed:

Metals: All

Parameter (ppm)	Process area Discharge	Trench	Well	Effluent	Soil
Arsenic	0.034	0.039		0.023	0.008
Barium	0.60	0.60	0.2	0.5	
Cadmium	0.01	0.01			
Chromium	0.27	0.10		0.03	
Copper	211.2	9.5	0.02	1.47	1.6
Cyanide				0.01	
Lead	0.47	0.28		0.18	
Mercury					
Nickel	0.3	0.1			
рH	8.3	8.6	8.0	7.6	8.4
Zinc	53.0	10.0		2.1	

March, 1989 Sampling Event

Tests Performed:

Metals: X101, X102, X104, X105

Parameter (ppm)	X101	X102	X104	X105
Arsenic				
Barium	1.5	0.912	1.24	1.46
Cadmium	0.46	0.010	0.253	0.015
Chromium	0.010		0.519	0.047
Mercury	0.0007	0.0007	0.0007	
Silver	0.039		0.111	0.022

June 22, 1989 Sampling Event - IEPA

Tests Performed:

VOCs: All BNAs: All Metals: All Pesticides/PCBs: All

Parameter	(ppm)	F101	F102	F201	F301	L101	L102	L201
Methylene Ch	loride	30000	30000	33000	67000	140000		
Acetone		9000			63000			73000
Carbon Disul	fide	11000			63000		10000	
1,2-Dichloro	ethane	16000	10000		32000	8000		
2-Butanone							55000	
Toluene			13000	3000				
4-Chloroanil	ine	850	1600	720	650	7600		7200
Fluoranthren	e						1300	
Bis (2-e.h.)		e	690					
1,4-Dichloro		810	1000	1300		12000		9900
Pentachlorop	henol					. 2100		
Arsenic EP	TOX		4.7			. 2	3.2	
Barium EP	TOX		'		1000			
Cadmium EP	TOX -	21	10	21	100	16	3600	12
Chromium EP	TOX					24	29	
Lead EP	TOX			5600	150	5000	14600	9400
Selenium EP	TOX		3.2	2.8	2.1	2.9	3.5	

Summary of lab results 6/22/89 sampling at Lennon Wallpaper

Sample Numbers

Compound	Fraction	F101	F102	F201	F301	L101	L102	L201
Methylene Chloride	Volatile	30	======= 30	====== 33	== == ================================	E=======	# ####	cass sess (high)
Acetone	Volatile	9	10	17	33			g,,,
Carbon Disulfide	Volatile	11			63		10	73
1,2 Dichloroethane	Volatile	16	10		32	6		
2-Butanone	Volatile			•			55	
Toluene	Volatile		13	3	5			
Phenol	Semi-Vol.	•		170				
1,4 Dichlorobenzene	Semi-Vol.	810	1000	1300		12000		990 0
Benzoic acid	Semi-Vol.							6900
4-Chloroaniline	Semi-Vol.	850	1600	720	650	7600	650	7200
Pentachlorophenol	Semi-Vol.	9100	480	310	11000	2100		
Phenanthrene	Semi-Vol.						880	
Anthracene	Semi-Vol.						310	
Fluoranthene	Semi-Vol.				•	•	1300	
Pyrene	Semi-Vol.		•	•			430	
Benzo(a)anthracene	Semi-Vol.						340	
Chrysene	Semi-Vol.						460	
bis(2-Ethylhexyl)phthalate	Semi-Vol.	150	69 0		170			
Benzo(b) fluoranthene	Semi-Vol.						350	
Benzo(k)fluoranthene	Semi-Vol.						200	
Chlorobenzene	Semi-Vol.					9000	,	
Isocyanato-Methyl-Benzene	Semi-Vol-	30000	20000	10000	2000	100000	2000	90000
Methyl Benzenamine	Semi-Vol.	20000	10000	70 0 0		60000	6000	30000
Chloroaniline	Semi-Vol.	•		3000		30000	4000	20000
Chloro-Isocyanato-Benzene	Semi-Vol.			3000		40000		30000
Isocyanato-Methoxy-Benzene	Semi-Vol.		2000		•			
Chloro-Nitro-Benzene	Semi-Vol.					7000		4000
Chloro-Methyl-Benzenamine	Semi-Vol.		2000					
Dichlorobenzenamine	Semi-Vol.		2000	900	2000	4000	9000	4000
Chloro-Nitro-Benzenamine	Semi-Vol.			1000	-	6000	-	2000
Octachloro-Dibenzo-Dioxin	Semi-Vol.	2000		-	1000			
Cumulative Unknowns	Semi-Vol.	37700	46000	20200	31500	185000	26200	113000
Lead, EP Tox	Metals			5600	150	5000	14600	9400

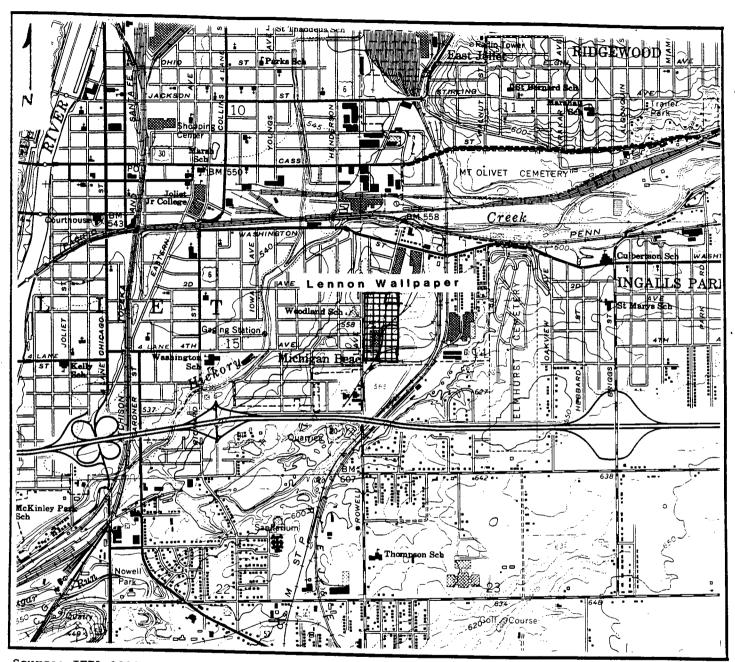
All results in ug/Kg (approximate parts per billion)

June 1989 - Subsequent Dioxin Testing

Parameter (ppb)	F101	TEQs F301	TEQs
2378 TCDD 12378 PeCDD 123478 HxCDD 123678 HxCDD 123789 HxCDD 1234678 HpCDD OCDD	EMPC 0.02 0.07 EMPC 0.39 19.4 1.7 976.0 S 6470.0 S		0.59 0.355 0.028 0.084 0.12 0.046
2378 TCDF 12378 PeCDF 23478 PeCDF 123478 HxCDF 123678 HxCDF 234678 HxCDF 123789 HxCDF 1234678 HpCDF 1234789 HpCDF OCDF	0.03 0.06 0.04 2.4 0.42 0.16 0.08 102.0 9.8 1460.0	0.004 0.05 0.024 0.12 0.004 0.05 0.002 0.05 0.001 <0.008	0.005 0.0 0.002 0.0 0.0
Total TCDD Total PeCDD Total HxCDD Total HpCDD Total TCDF Total PeCDF Total HxCDF Total HxCDF Total HyCDF	0.70 2.3 70.0 1690.0 S 0.09 0.77 70.4 830.0	0.006 3.2 0.011 6.2 0.02 21.0 0.007 93.4 0.0 1.5 0.001 0.69 0.007 1.8 0.007 3.6	0.026 0.027 0.006 0.001 0.001 0.00 0.0
Total TEQs		2.134	1.301

S = response has exceeded the normal dynamic range of the
 mass spectrometer detection system and the reported
 analyte concentration is the "minimum estimate."

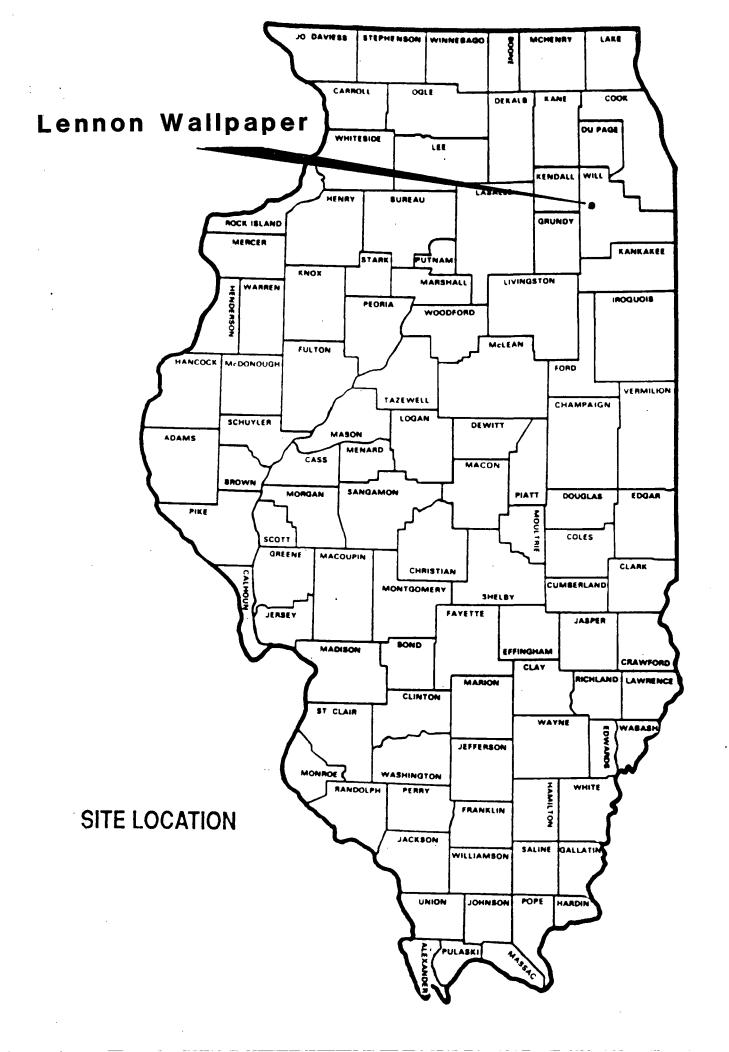
EMPC = Estimated Maximum Possible Concentration

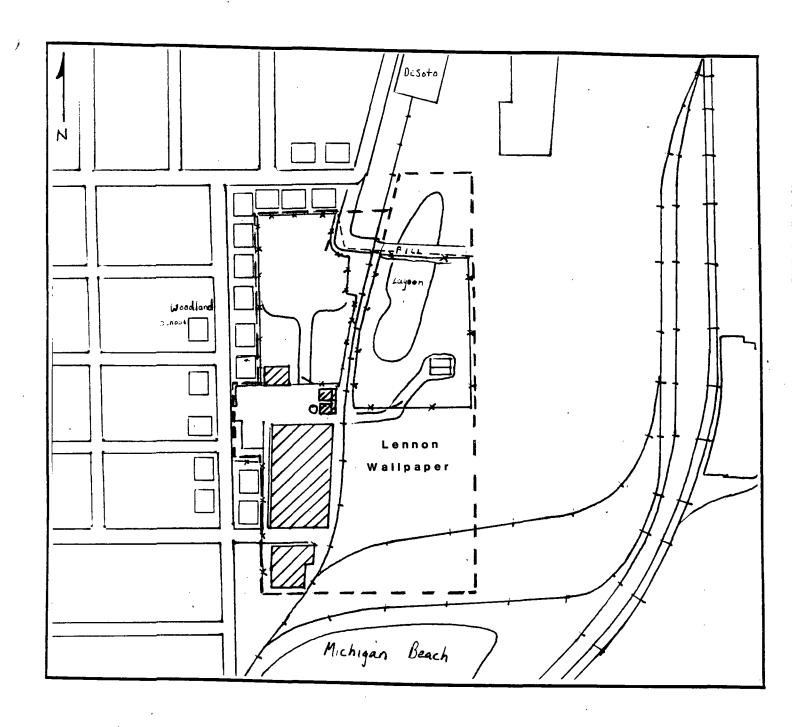


Source: IEPA 1990. Base Map: USGS 1973, Joliet, IL 7.5 minute quadrangle

AREA MAP

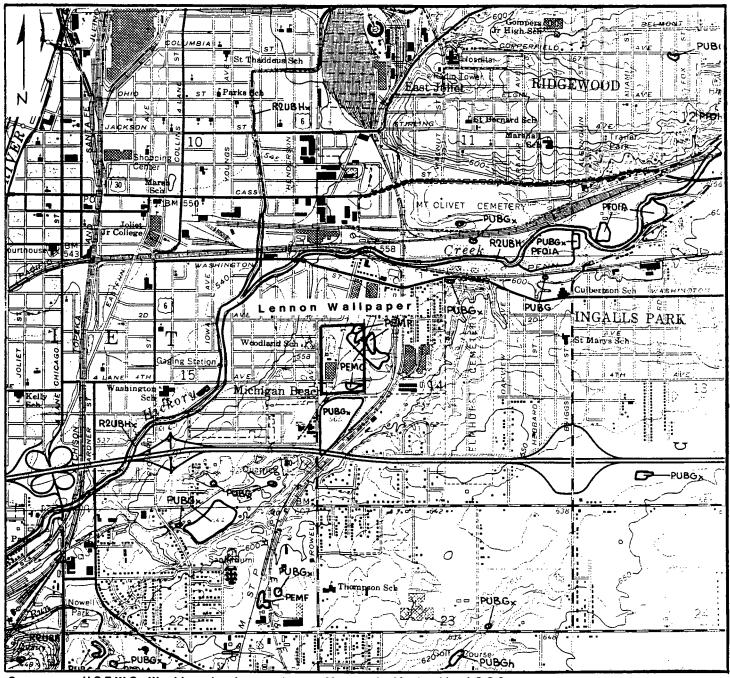
SCALE 1:24 000





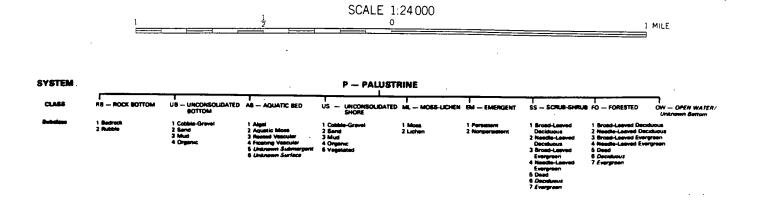
SITE MAP

Scale: 1 in = 366 fr.



Source: USFWS Wetlands Inventory Map, Joliet, IL 1983

WETLANDS INVENTORY MAP



SDMS US EPA Region V

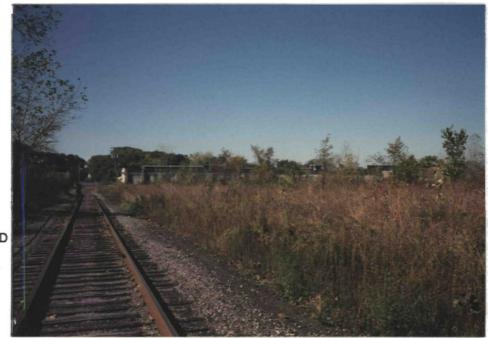
Imagery Insert Form



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DATE: October // 1990
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Hank Konzelmann
PHOTO NUMBER:
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Will County
COMMENTS: PICTURE TAKEN TOWARD
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is ahead of to the right



DATE: October //, 1990

TIME: 12:33 pm

PHOTOGRAPH TAKEN BY:

Hank Konzelmann

PHOTO NUMBER: 12

LOCATION: 1970450001

Lennon Wallpaper / Jolet

Will County

COMMENTS: PICTURE TAKEN TOWARD

Southwest, Toward

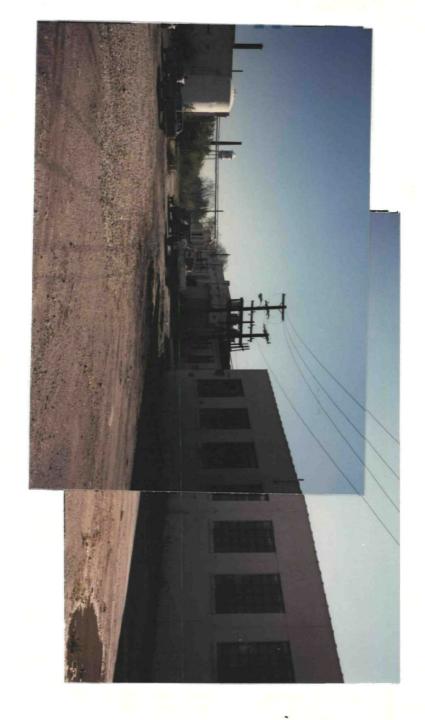
Swimming Lake 4 beach



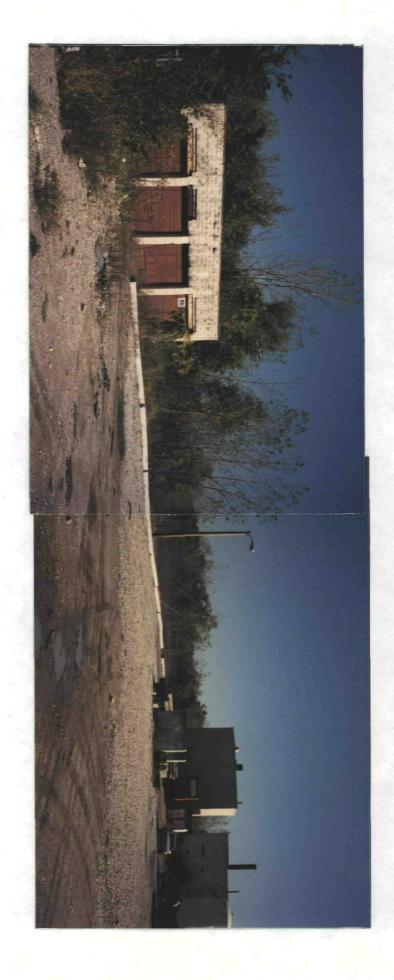
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Hank Konzelmann
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will county
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Hank Konzelmann
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Lennon Wallpaper / Jolget
Will County
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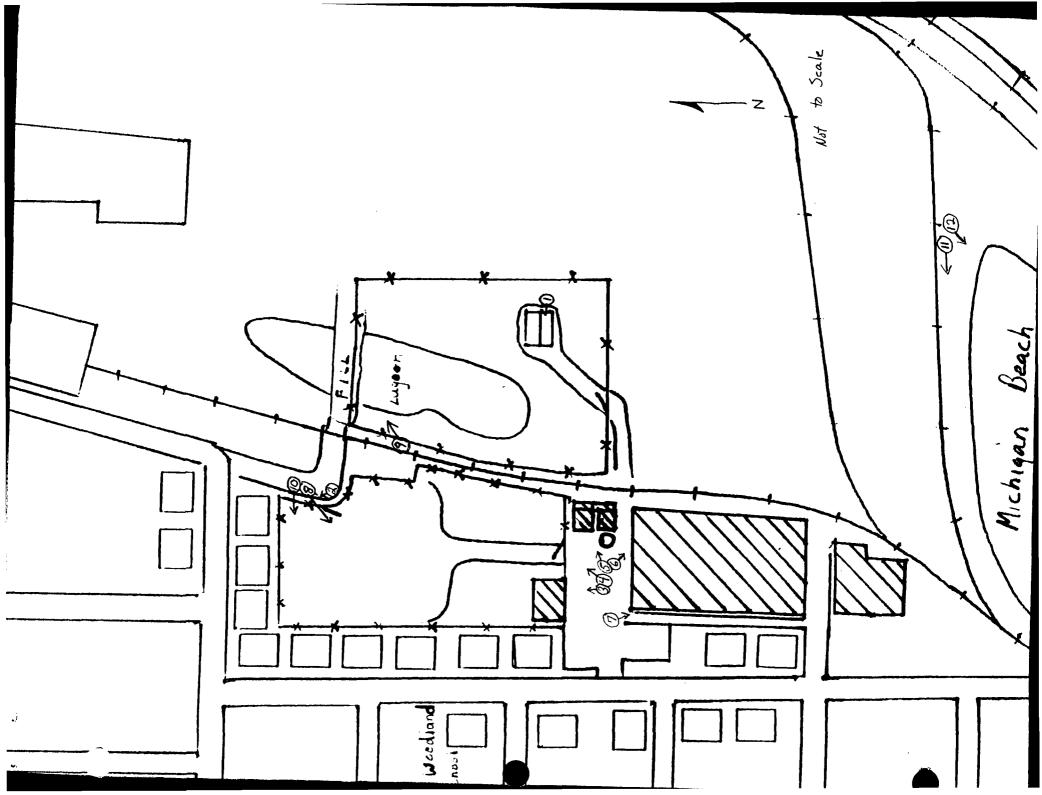


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Hank Konzelmann
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Will County
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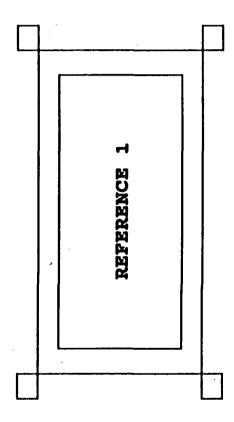


SUPPORTING

DOCUMENTS

REFERENCES

- Reference 1. Tract Search and Chain of Title for the Lennon Wallpaper Property
- Reference 2. Memo from Kent Gardenour to Hank Konzelmann regarding the June 22, 19890 sampling event
- Reference 3. Agency letter to Mr. William Kaplan including analytical results from the June 22, 1989 sampling event
- Reference 4. Area well logs from the Illinois State Water Survey



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Tri County Title

1100 Plainfield Rd. Joliet, IL 60435 (815) 723-2100

August 1, 1990

Illinois Environmental Protection Agency Attn: Michael McCabe P.O. Box 19276 Springfield, Il. 62794-9276

Re: Lennon Wallpaper Co. Property 807 4th Ave., Joliet, Il.

Dear Mr. McCabe.

Enclosed please find the Tract Search and Chain of Title for the above mentioned property. It took our searcher all day to complete the enclosed information. The Will County Recorder's Office is not very modern and as a result of all of these various properties making up what Lennon Wallpaper owned, it took our Searcher much longer to "pull it all together."

In any case, I hope this information is helpful and if there is any further service you may need, please contact me. Thank you.

Sincerely,

Richard D. Dow

Senior Title Officer

RDD;sd

Tri County Title

1100 Plainfield Rd. Joliet, IL 60435 (815) 723-2100

CHAIN OF TITLE

Effective Date: July 19, 1990

Date	Grantor	G <u>rantee</u> P	IN
/23/24	Vincent De Cecco	Lennon Wallpaper Co.	07-14-110-007
/18/42	Alton RR Co.	н	07-14-300-008
/10/44	Marco & Lily F. Youvan		07-14-300-008
/14/44	National Refining Co.	и	07-14-108-021
/14/44	u	n	07-14-108-021
0/3/44	Socony-Vacuum Oil Co.	II .	07-14-108-021
/26/58	Eugene M. & Jane V. Lennon	#1	07-14-108-020
/13/70	Dominic A. & Johanna J. Vella	ii	07-14-110-001
/26/76	Ann Franke	n	07-14-108-024
0/10/80 /21/81 /90	Edith Erickson Lennon Wallpaper Co. Lennon Wallpaper Co.n/k/a Thoma	V	07-14-108-014 all of the above 07-14-110-001 07-14-110-007 07-14-108-014 07-14-300-008
/26/90	Option Agreement from Lennon Wa the balance of the property as	llpaper Co. to Doug Silverman to shown by their respective PINS. & remainder of	07-14-108-021 07-14-108-020 07-14-108-024

LEGAL DESCRIPTION

Without a survey, we are including the legal descriptions from the Deed from Lennon Wallpaper Co. to Thomas Industries, shown as exhibit A; from the Deed from Thomas Industries to Silverman, shown as exhibit B; and finally the balance of the property as provided in the option between Thomas Industries & Silverman, shown as exhibit C.

JUDGEMENTS AND LIENS

Claim of Lien recorded February 23, 1990 by the City of Joliet against the subject property (07-14-110-007) in the amount of \$844.31.

Memorandum of judgement filed June 1, 1990, CNA Insurance CO. vs. Doug Silverman in the amount of \$16,358.00

No mortgages

Tri County Title

1100 Plainfield Rd. Joliet, IL 60435 (815) 723-2100

TAX INFORMATION:

General Real Estate Taxes for the year 1989 as shown below. General Real Estate Taxes for the year 1990 are not yet due.

07-14-110-001

1st Installment of the 1989 taxes in the amount of \$248.89 is delinquent.
2nd Installment of the 1989 taxes in the amount of \$248.89 is due September 4, 1990.

07-14-110-007

1st Installment of the 1989 taxes in the amount of \$6,507.26 is delinguent. 2nd Installment of the 1989 taxes in the amount of \$6,507.26 is due September 4, 1990.

07-14-108-020

1st Installment of the 1989 taxes in the amount of \$454.07 is delinquent. 2nd Installment of the 1989 taxes in the amount of \$454.07 is due September 4, 1990.

07-14-108-021

1st Installment of the 1989 taxes in the amount of \$1,556.74 is delinquent. 2nd Installment of the 1989 taxes in the amount of \$1,556.74 is due September 4, 1990

07-14-108-024

1st Installment of the 1989 taxes in the amount of \$294.17 is delinquent. 2nd Installment of the 1989 taxes in the amount of \$294.17 is due September 4, 1990.

07-14-108-014

1st Installment of the 1989 taxes in the amount of \$161.98 is delinquent 2nd Installment of the 1989 taxes in the amount of \$161.98 is due September 4, 1990.

07-14-300-008

1st Installment of the 1989 taxes in the amount of \$3,435.34 is delinquent. 2nd Installment of the 1989 taxes in the amount of \$3,435.34 is due September 4, 1990

EXHIBIT B - LEGAL DESCRIPTION OF PREMISES

PARCEL I:

A part of the North West 1/4 of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, described as follows: commencing at a point on the East line of Douglas and Kraker's Subdivision a part of said North West 1/4 projected South to a point 25 feet North of the Southline of said North West 1/4, run thence North on said East line 385.8 feet to the South line of Grant Avenue to a point 7 feet West of the West rail of a switch track belonging to the Joliet and Northern Indiana Railroad Company, thence Southwesterly on a line parallel with and 7 feet West of said West rail to a point 25 feet North of the South line of said North West 1/4, thence West to the point of beginning.

PARCEL II:

Lots 1 and 2 in Block 1, of Douglas and Krakar's Subdivision, a part of the South West 1/4 of the North West 1/4 of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, according to the plat thereof recorded November 25, 1904, in Plat Book 15, Page 19, as Document No. 230248.

PARCEL III:

Lots 7 and 8 in Douglas and Krakar's Subdivision of part of the South West 1/4 of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, according to the plat thereof recorded September 13, 1920, in Plat Book 12, Page 74, as Document No. 329873, and that part of the South West 1/4 of Section 14 in said Township and Range, confined within the following described tract: Reginning at a point in the South line of Fourth Avenue projected East, that is, 256.5 feet East and 25 feet South of the North West corner of said South West 1/4 of Section 14, thence East along the South line of Fourth Avenue, 120.84 feet to a point in the South line of Fourth Avenue, projected East, thence Southwesterly along a line 158.65 feet to a point, thence Westerly 38.5 feet to a point, thence Southwesterly on a curve toward the West which has a radius of 1171.28 feet, 48.12 feet to a point, thence Southwesterly in a direct line 130.23 feet to a point in the West line of said Lot 7, projected South, that is, 298.4 feet South of the North West corner of said Lot 7, thence North along the West line of said Lot 7 projected South, 90.38 feet to a point, that la, 208.02 feet South of the North West corner of said Lot 7, thence Northeasterly in a direct line 19.86 feet to a point, which is 174.54 feet South of the South line of said Fourth Avenue measured parallel with the West line of said Lot 7, thence Northeasterly along a curve to the West having a radius of 1121.28 feet to the

890 15668

point where said curve intersects the East line of said Lot 8, thence North in a direct line along the East line of said Lot 8 to the point of beginning.

PARCEL IV:

Lot 25 in Block 3, in Rowell's Subdivision of part of the West 1/2 of the North West 1/4 of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, according to the plat thereof recorded May 11, 1886, in Plat Book 5, Page 52, as Document No. 139704, all in Will County, Illinois.

PARCEL V:

That part of the South West 1/4 of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, described as follows: commencing at the North West Corner of said South West 1/4, thence East along the North Line of said South West 1/4 of the Centerline of Fourth Avenue, 175.0 feet, thence South along the West line of Lot 7 projected in Douglas and Krakar's Subdivision of part of said South West 1/4 of said Section 14, 323.40 feet to the Southerly and Easterly right of way line of the Alton Railroad Company's old switch track, which is the point of beginning, thence Northeasterly along a direct line of the said southerly and easterly right of way line of said railroad, 130.23 feet to a point, thence northeasterly on said right of way line along a curve to the West, having a radius of 1171.28 feet, 48.12 feet to as point; thence Easterly 38.5 feet to a point, thence Southwesterly along a direct line to the point of beginning.

EXHIBIT "A"

PARCEL 1 - Tax Code 07-14-110-007

A part of the Northwest quarter of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, described as follows: Commencing at a point on the East line of Douglas and Krakar's Subdivision of part of said Northwest quarter projected South to a point 25 feet North of the South line of said Northwest quarter, running thence North on said East line 385.8 feet to the South line of Grant Avenue thence East along the South line of Grant Avenue to a point 7 feet West of West rail of a switch track belonging to the Joliet and Northern Indiana Railroad Company, thence Southwesterly on a line parallel with and 7 feet West of said West rail to a point 25 feet North of the South line of said Northwest quarter, thence West to the point of beginning, in Will County, Illinois.

PARCEL 2 - Tax Code 07-14-110-001

Lots 1 and 2, Block 1 of Douglas and Krakar's Subdivision of part of the Southwest quarter of the Northwest quarter of Section 14, Township 35 North, Range 10 East of the 3rd Principal Meridian in Will County, Illinois.

PARCEL 3 - Tax Code 07-14-108-021

One acre of land in Lot 11, in the County Clerk's Subdivision of part of the West half of the Northwest quarter of Section 14, and the Northeast quarter of the Northeast quarter of Section 15, Township 35 North, Range 10 East of the Third Principal Meridian, described as follows: Beginning at the Southeast corner of Lot 25 in Block 3 of M.E. Rowell's Subdivision of part of the said West half of Northwest quarter of said Section 14, thence East 283.9 feet to the Westerly line of the Railway easement for the joint railway tracks upon the West half of the Northwest quarter of said Section 14, the same being 10 feet Westerly from the center line of said Railroad tracks, thence North along the Westerly line of said easement far enough Northward to include one acre of land, thence West to a point in the East line of Lot 21 in Block 3 in M.E. Rowell's Subdivision, aforesaid, thence South to the point of beginning, in Will County, Illinois.

PARCEL 4 - Tax Code 07-14-108-020

Lots 19 to 22 inclusive in Industrial Subdivision of part of the West half of the Northwest quarter of Section 14, Township 35 North, Range 10 East of the 3rd Principal Meridian in Will County, Illinois.

PARCEL 5 - Tax Code 07-14-108-024

Lots 11, 12, 16 and 17 in Industrial Subdivision of part of the West half of the Northwest quarter of Section 14, Township 35 North, Range 10 East of the 3rd Principal Meridian in Will County, Illinois.

PARCEL 6 - Tax Code 07-14-300-008

PARCEL I:

Lots 7 and 8 in Douglas and Krakar's Subdivision of part of the Southwest quarter of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, according to the Plat thereof recorded September 13, 1920, in Plat Book 12, page 74, as Doc. 329873, and that part of the Southwest quarter of Section 14 in said Township and Range, confined within the following described tract; Beginning at a point in the South line of Fourth Avenue projected East, that is, 256.5 feet East and 25 feet South of the Northwest corner of said Southwest quarter of Section 14, thence East along the South line of Fourth Avenue, 120.84 feet to a point in the South line of Fourth Avenue, projected East, thence Southwesterly along a line 158.65 feet to a point, thence Westerly 38.5 feet to a point, thence Southwesterly on a curve toward the West which has a radius of 1171.28 feet, 48.12 feet to a point, thence Southwesterly in a direct line 130.23 feet to a point in the West line of said Lot 7, projected South, that is 298.4 feet South of the Northwest corner of said Lot 7, thence North along the West line of said Lot 7 projected South, 90.38 feet to a point, that is, 208.02 feet South of the Northwest corner of said Lot 7, thence Northeasterly in a direct line 39.86 feet to a point, which is 174.54 feet South of the South line of said Fourth Avenue measured parallel with the West line of said Lot 7, thence Northeasterly along a curve to the West having a radius of 1121.28 feet to the point where said curve intersects the East line of said Lot 8, thence North in a direct line along the East line of said Lot 8 to the point of beginning, in Will County, Illinois.

PARCEL II:

That part of the Southwest quarter of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, described as follows: Commencing at the Northwest corner of said Southwest quarter, thence East along the North line of said Southwest quarter and the center line of Fourth Avenue 175.0 feet, thence South along the West line of Lot 7 projected in Douglas and Krakar's Subdivision of part of said Southwest quarter of said Section 14, 323.40 feet to the Southerly and Easterly right-of-way line of the Alton Railroad Company's old switch track, which is the point of beginning, thence Northeasterly along a direct line on the said Southerly and Easterly right-of-way line of said Railroad, 130.23 feet to a point, thence Northeasterly on said right-of-way line along a curve to the West, having a radius of 1171.28 feet, 48.12 feet to a point; thence Easterly 38.5 feet to a point, thence Southwesterly along a direct line to the point of beginning, in Will County, Illinois

PARCEL III:

The East 1/2 of the vacated alley lying west of and adjoining Lot 7 of Douglas and Krakar's Subdivision as vacated by instrument recorded December 5, 1973 as Document No. R73-35993, all in Will County, Illinois.

PARCEL 7 - Tax Code 07-14-108-014

Lot 25, in Block 3, in Rowell's Subdivision of part of the West 1/2 of the Northwest 1/4 of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, according to the plat thereof recorded May 11, 1886, in Plat Book 5, Page 52, as Document No. 139704, in Will County, Illinois.

EXHIBIT "C"

PARCEL 1: Pin: 07-14-108-041 One acre of land in Lot 11, in the County Clark's Subdivision of part of the West 1/2 of the North West 1/4 of Section 14, and the North East 1/4 of the Northwast 1/4 of Section 15, Township 35 North, Range 10 East of the Third Principal Meridian, described as follows: beginning at the South East corne of Lot 25 in Block & of M.E. Rowell's Subdivision of part of the said West 1/2 of the North West 1/4 of said Section 14, thence Eart 283.9 feet to the Westerly line of the railway easement for the joint railway tracks upon the West 1/2 of the North West 1/4 of said Section 14, the same being 10 feet Westerly from the centerline of said railroad tracks, thence North along the Westerly line of said easement far enough Northward to include an acre of land, thence West to a point on the East line of Lot 21 in Block 3 in M.E. Rowell's Subdivision, aforesaid, thence South to the point of beginning.

PARCEL II: P.n. 01-14-101-020

Lots 19 to 22 inclusive in Industrial Subdivision of part of the West 1/2 of the North West 1/4 of Section 14, Township 35 North,

12/10

Range 10 East of the Third Principal Meridian, according to the plat thereof recorded December 30, 1925, in Plat Book 16, Page 54, as Document No. 388594.

PARCEL III: Pin: 07-14-108-024 Lots 11, 12, 16 and 17, in Industrial Subdivision of part of the West 1/2 of the North West 1/4 of Section 14, Township 35 North, Range 10 East of the Third Principal Meridian, according to the plat thereof recorded December 30, 1925, in Plat Book 16, Page 54, as Document No. 388594.

PARCEL IV:

Pin: 07- 14-300-008 (affect the poset)
The East 1/2 of the vacated hiley lying West of and adjoining Lot
7 of Douglas and Krakar's Suddivision as vacated by instrument recorded December 5, 1973, as Document No. R73-35993.

Hank -I spake with Der Cumbel in INVENTORY OF SITES ON WHICH regards to Lennor Walkpaper and my requesting tette sauch Please complete this paince Hand you Minds Name of Site: Lennon Wallpaper Name of Owner: North American Deceratives Products (Zousulle Ky prior pune) Address of Owner: Toronto Canada (branch in Chicago - contact Dor 807 4th Avenue Joliet, Illinois

RECLAMATION LIENS WILL

Please complete this form as best as possib information you are responsible on the attached list. McCabe, Enf., 782-3188. Please make additi form as necessary. Please include as much and if you have a map of the site, please s the legal description of the site, please i

Address or Description of Location:

City or Village: Jolie +

Assigned Attorney: Don Gimbel

If yes, date issued and to whom:

Has Sec. 4(q) or 4(v) been issued: YES NO

Project Manager: Hank Konzelmann

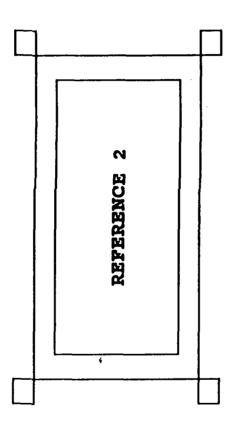
County:

LPC#: 1970455001

IEPA Enf. File #:

RLS:MJM:mm/09 2 August 1988

Mike McCaba



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DATE:

June 23, 1989

TO:

Hank Konzelman

FROM:

Kent Gardenour, Harza

RECEIVED

SUBJECT:

1970455001/Will County Joliet/Lennon Wallpaper

Superfund/Technical Reports

JUN 28 1989

IEPA-DLPC

The purpose of this memo is to document the site investigation performed at the subject site on June 22. The investigation consisted of backhoe trenching and sampling from the excavated soil. Some samples were split with Mr. Dean Lee of the DCI.

The attached map shows the location of the trenches which were excavated. The samples were taken from a backhoe bucket with a stainless steel sampling spoon. A clean spoon was used for each sample. Each sample was analyzed for Volitales, BNA, and EP Tox Metals. The samples were:

- L101 Taken from the top two feet of trench one. The soil was sandy with some staining.
- L102 Taken from three to four feet in depth from trench one. The soil was a black organic layer immediately above the water table.
- L201 Taken from the top foot of trench two at the approximate former waterline of the lagoon. The soil was sand. Approximately 20 feet east of trench two was a target range made of stacked bottles. This indicates that the public has been in direct contact with any surface contamination in the lagoon area.
- F101 Taken from approximately four feet from the surface of trench three. The sample material was multi-colored.
- F102 Taken from a four foot depth in trench seven. The sample material appeared to be a sludge which contained brightly colored spots. The excavation uncovered buried drums and debris which were below the water table.
- F201 Taken from a four foot depth in trench ten. The soil profile down to the watertable was a bright rust red color.
- F301 Taken from a three foot depth in trench eleven. The soil contained many colors.

Trench six, which may not be on Lennon property, showed a bright yellow vein. Each trench showed some sort of discoloration in the soil. Drum burial appears to be limited to two areas; near the surface in the trench three through five area, and buried below water in trench seven. No significant volitale emissions were detected with TIP monitoring.

A final comment is on the aquifer which exists at approximately four feet below the surface of the site. The aquifer consists of a poorly graded coarse gravel. The permiability of the aquifer as . well as the overlying soil appears to be extremely high. If the contamination present at the site is leachable, then it will be very mobile and cause for concern.

If you have any questions or require further action, please contact me.

KG:sa:0159s

cc: Jim Janssen



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FILTERING Intact?: 🙆 H1 - 12 - H 0.00 2 452053, 88# 35596 30053 488 35555 5 A R कर्मकर्षा (स्थापता क्षार करण करण करण करण (क रक्षणकरणकर केंग्रवस्था कर figeral and threat 11/11 Company 122-63 SAFFUE DA Seal #1 _ 506 & CHRONICE ្សា ជាជាជា 😅 inso the simple stated above and confected and proceed in butties to m. . : 41. ANALYSIS 一百 中心 BOTOLIS THE THE THE TEST SECTIONS OF THE TEST OF THE T : EP TOX METALS CUSTODY SAKDENOCH 2.300 CHAIR OF 450 MON FIOL 25-1-25 Size: Pres! 3 1 THE: Signature $1/Q_{1}$ Time? sample pickup: 1320z CONTAINER (print) (print) 1. 多数的 《多篇集集题》:"你是一个是一个人,你是是是 6-22-89 6-21-89 : Code Ŋ Region:NEC ŝ Seated by Val Smeake C. . 1 2 80 C 19.07 प्रकार्य क्षा Committee Oate: ・使み前門

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Manager DEMNIS NEWMAN Project Region: NORTH County: WIL Facility

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1) (1) (2) (3) (3) (4) (4) (5)

DATE: June 22, 1989
TIME: 9:45 AM
Photograph by:
Hank Konzelmann
Location:
Lennon Wallpaper - Joliet
Will County
Comments: Picture taken towar
East Entrance to Lennon
IEIA, State Police . Y AG possence



DATE: June 22, 1989

TIME: 10:40 AM

Photograph by:

Hank Konzelmann

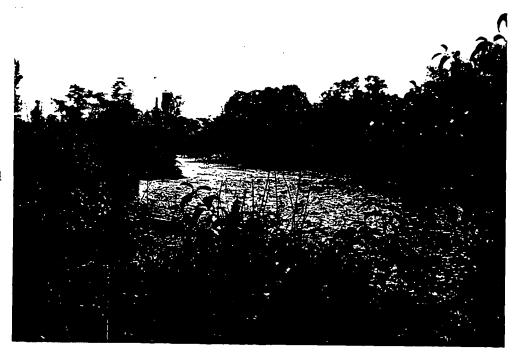
Location: Lennon Wallpaper

Joliet - Will County

Comments: Picture taken toward

Location: Lawrence Area

3



DATE: June 22 1989	
TIME: //. OD AM	
Photograph by:	•
Hank Konzelmann	
Location:	
Lennon Wallpaper - Joliet	
Will County	PA PA
Comments: Picture taken toward	
North Sumple location	
L 101 4 2103	

DATE: June 22, 1989	
TIME:	
Photograph by:	
Hank Konzelmann	
Location: <u>Lennon Wallpaper</u>	
Joliet - Will County	
Comments: Picture taken toward	
Southwest, Exeauation For.	
In lagron Note discolored	
lay or	
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•
DATE: June 22, 1989
TIME: 11:15
Photograph by:
Hank Kunzelmann
Location:
Lennon Wallpaper - Joliet
Will County
Comments: Picture taken toward
Southwest. Excavation
operation in lagorn.
A



DATE: June 22, 1989
TIME:
Photograph by:
Hank Konzelmann
Location: <u>Lennon</u> Wallpaper
Joliet - Will County
Comments: Picture taken toward
Northeast Execution and
Sample 4103 location
<u>(i)</u>



DATE: _	June	<u>22,</u>	1989	
TIME:	12:00			
Photogr	raph by:			
Hank	Kunz	elmar	nn	
Locatio	on:			
Lennor	n Wall	aper	- Joliet	
	,	,		
Comment	s: Pic	ture	taken towar	d
South	east	<u> </u>	callating.	
			woded orea)	į
			<u></u>	



DATE: June 22, 1989

TIME: 12:15

Photograph by:

Hank Konzelmann

Location: Lennon Wallpaper

Joliet - Will County

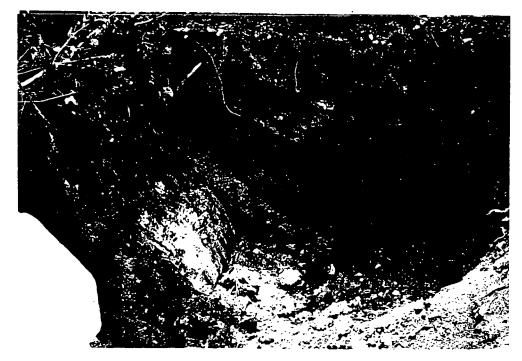
Comments: Picture taken toward

Northeast. Escapetion

Marea 5 . Note

Josefored Jayer

8



DATE: June 22 1989
TIME: 12:45 pm
Photograph by:
Hank Kunzelmann
Location:
Lennon Wallpaper - Joliet
Will County
Comments: Picture taken toward
East Excavation in area 5
Note discoursed laver



DATE: June 22, 1989
TIME: /3.59
Photograph by:
Hank Konze mann
Location: <u>Lennon</u> Wallpaper
Joliet - Will County
Comments: Picture taken toward
North Excavation pile
10 Popa 5.
.0



T 12 1209	•
DATE: <u>June 22, 1989</u> ME:	
Photograph by:	
Hank K-nzelmann	
Location:	
Lennon Wallpaper - Joliet	
Will Country	
Comments: Picture taken toward	
Northeast More Kitchen	
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TIME:

Photograph by:

Hank	Konzelrann	
Location:	Lennan	Wallpaper
Tolet - W.	County	
Comments: Picture taken toward		



DATE: June 22, 1989	
TIME: 137 /	
Photograph by:	
Hank K-nzelmann	
Location:	
Lennon Wallpaper - Jaliet	
Will County	
Comments: Picture taken toward	
South, Nove Corred	
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	1
DATE: June 32 1989	
TIME: / 40	
Photograph by:	
Hark Konzelmann	
Location: Lennon Wollpaper	
Jolet - Will County	

Comments: Picture taken toward

(14)

in the north

DATE: June 32 1989
ME:
Photograph by:
Hank K-nzelmann
Location:
Lernon Wollpaper - Joliet
Will County
Comments: Picture taken toward
Wast Notes pant Stage
(Est Fall)
<u>(j5)</u>



DATE: June 33, 1989

TIME: J. 75 pm

Photograph by:

| Mark Kenzelrann |
| Lennen Wallpaper |
| July 1 | Journey |
| Comments: Picture taken toward |
| Mark |
| Mark

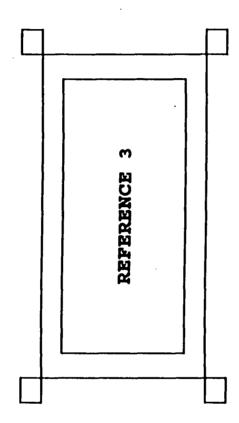


DATE: June 22 1989	
TIME: (2)	
Photograph by:	
Hank K-nzelmenn	
Location:	
Lennon Wallpaper - Joliet	
Will Country	
Comments: Picture taken toward	
Mortages . Mrs Red	
Dear rade on	

DATE: June 32, 1989	
TIME:	The state of the s
Photograph by:	
Hank Konzelmann	
Location: Lenner Wolfpeper	
Julyt - Will County	
Comments: Picture taken toward	
Buchen Care out	
/	
(F8)	

DATE: June 22 1989		
"IME: 3.05 p		
Photograph by:		1
Hank K-nzelmann		交交外
Location:		
Lennon Wallpaper - Joliet		4
W.l. County		
Comments: Picture taken toward		∠. ∠.
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DATE: June 32 1987		
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Photograph by:	•	
Hank Konzelmann		
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Location: Learner Wallpaper	, , , ,	
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comments. Fieldle taken toward	Pretore	
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217/782-6760

Re: 1970455001-Will County

Joliet/Lennon Wallpaper

Superfund/Fiscal

August 22, 1989

William Kaplan Rooks, Potts and Poust 111 North Ottawa Street P.O. box 943 Joliet, IL 60434

Dear Mr. Kaplan:

Enclosed are up-to-date analytical results from the samples collected on July 22, 1989. For your convenience a summary of the results is included.

The analytical results indicate that a significant level of contamination is present on the subject site. We therefore strongly encourage a meeting with you to discuss further courses of action.

If you have any questions, please feel free to contact me at the above address and telephone number.

Sincerely.

Henry J. Konzelmann, Project Manager

Immediate Removal Unit

Henry A Konselmann

Remedial Project Management Section Division of Land Pollution Control

HJK:pss

Attachment

cc: Dean Lee

Maywood Region Division File

Summary of lab results 6/22/89 sampling at Lennon Wallpaper

Sample Numbers

Compound	Fraction	F101	F102	F201	F301	L101	L102	L201
Methylene Chloride	Volatile	30	30	 33	67			(high)
Acetone	Volatile	9	10	17	33			•
Carbon Disulfide	Volatile	11	•		6 3		10	73
1,2 Dichloroethane	Volatile	16	10		32	6	-	
2-Butanone	Volatile						55	
Toluene	Volatile -		13	3	5			
Pheno1	Semi-Vol.			170				
1,4 Dichlorobenzene	Semi-Vol.	810	1000	1300		12000		9900
Benzoic acid	Semi-Vol.							6900
4-Chloroaniline	Semi-Vol.	850	1600	720	65 0	7600	650	7200
Pentachlorophenol	Semi-Vol.	9100	480	310	11000	2100		
Phenanthrene	Semi-Vol.						880	
Anthracene	Semi-Vol.						310	
Fluoranthene	Semi-Vol.						1300	
Pyrene	Semi-Vol.						430	
Benzo(a)anthracene	Semi-Vol.						340	
Chrysene	Semi-Vol.						460	
bis(2-Ethylhexyl)phthalate	Semi-Vol.	150	690		170			
Benzo(b)fluoranthene	Semi-Vol.						350	
Benzo(k)fluoranthene	Semi-Vol.						200	
Chlorobenzene	Semi-Vol.					9000		
Isocyanato-Methyl-Benzene	Semi-Vol.	30000	20000	10000	2000	100000	2000	90000
Methyl Benzenamine	Semi-Vol.	20000	10000	7000		60000	6000	20000
Chloroaniline	Semi-Vol.			3000		30000	4000	20000
Chloro-Isocyanato-Benzene	Semi-Vol.			3000		40000		20000
Isocyanato-Methoxy-Benzene	Semi-Vol.		2000					
Chloro-Nitro-Benzene	Semi-Vol.					7000		4000
Chloro-Methyl-Benzenamine	Semi-Vol:		2000					$\hat{}$
Dichlorobenzenamine	Semi-Vol.		2000	900	2000	4000	9000	4000
Chloro-Nitro-Benzenamine	Semi-Vol.			1000		6000		2000
Octachloro-Dibenzo-Dioxin	Semi-Vol.	2000			1000			
<u> Éumulative Unknowns</u>	Semi-Vol.	37700	46000	20200	31500	185000	26200	113000
Lead, EP Tox	Metals			5600	150	5000	14600	9400

All results in ug/Kg (approximate parts per billion)



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F101

Project # 1104-09-01-0000 Lab ID: **8906G259-001** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

VOLATILES BY GC/MS, HSL LIST

Volatile Compound	Result	Detection Limit	Flag	
1,2-Dichloropropane	BDL	_6	U	
cis-1,3-Dichloropropene	BDL	6	U	_
Trichloroethene	BDL	6	U	
Dibromochloromethane	BDL	6	U	
1,1,2-Trichloroethane	BDL	6	U	
Benzene	BDL	6	υ	
Trans-1,3-Dichloropropene	BDL	6	U	
Bromoform	BDL	6	U	
4-Methyl-2-pentanone	BDL	. 12	U	
2-Hexanone	BDL	12	U	
Tetrachloroethene	BDL	6	U	
1,1,2,2-Tetrachloroethane	BDL	6	U	
Toluene Toluene	BDL	6	U ·	
Chlorobenzene	BDL	6	U	
Ethylbenzene	BDL	6	U	
Styrene	BDL	6	U	
Xylene (total)	BDL	6	U	



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Date: Monday July 17th, 1989

RE: Lennon F101

Project # 1104-09-01-0000 Lab ID: **8906G259-001** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds	
No Volatile Compounds greater than 10% of the nearest	
internal standard were tentatively identified by mass	· · · · · · · · · · · · · · · · · · ·
spectral library search. This is exclusive of any target	
compounds, surrogates or internal standards.	



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2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F101

Project # 1104-09-01-0000 Lab ID: **8906G259-001** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

VOLATILES BY GC/MS, HSL LIST

Result	Detectior Limit	ı Flag	
BDL	12	U	1
BDL	12	U	
BDL	12	U	
BDL	12	U	
28	6		
9	12	J	
7	6		
BDL	6	U	
9	6		
BDL	12	U	
BDL	6	U	
BDL	6	U	
BDL	12	U	
BDL	6	U	
	BDL	Result Limit BDL 12 BDL 12 BDL 12 28 6 9 12 7 6 BDL 12	BDL 12 U BDL 12 U BDL 12 U BDL 12 U 28 6 9 12 J 7 6 BDL 6 U BDL 12 U



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Units: UG/KG

VOLATILES BY GC/MS, HSL LIST

Result	Detection Limit	ı Flag		
BDL	6	U		
BDL	6	U		
BDL	6	U		
BDL	6	U		
BDL	6	U		
BDL	6	U	,	
BDL	6	U		
BDL	6	U		
BDL	12	U		
BDL	12	U		
BDL	6	U		
BDL	6	U		
BDL	6	U		
BDL	. 6	U		
BDL	6	U		
BDL	6	U		
BOL	6	U		
	BDL	Result Limit BDL 6 BDL 12 BDL 6 BDL 6	BDL 6 U BDL 12 U BDL 6 U	Result Limit Flag BDL 6 U BDL 12 U BDL 6 U



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Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F101

Project # 1104-09-01-0000 Lab ID: 8906G259-001 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

SEMIVOLATILES BY GC/MS, HSL LIST

Semivolatile Compound	Result	Detection Limit	Flag	
Phenol	BDL	400	. U	
bis(2-Chloroethyl)ether	BDL	400	U	
2-Chlorophenol	BDL	400	U	;
1,3-Dichlorobenzene	BDL	400	U	
1,4-Dichlorobenzene	810	400		
Benzyl alcohol	BDL	400	U	
1,2-Dichlorobenzene	BDL	400	U	,
2-Methylphenol	BDL	. 400	U	
bis(2-Chloroisopropyl)ether	BDL	400	U	
4-Methylphenol	BDL	400	U	
N-Nitroso-Di-n-propylamine	BDL	400	U	,
Hexachloroethane	BDL	400	U	
Nitrobenzene	BDL	400	U	
Isophorone	BDL	400	U	<u> </u>
2-Nitrophenol	BDL	400	U	
2,4-Dimethylphenol	BDL	400	U	
Benzoic acid	BDL	2000	U	



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Units: UG/KG

SEMIVOLATILES BY GC/MS, HSL LIST

Semivolatile Compound	Result	Detection Limit	Flag	
bis(2-Chloroethoxy)methane	BDL	400	U	
2,4-Dichlorophenol	BDL	400	U	
1,2,4-Trichlorobenzene	BDL	400	U -	
Naphthalene	BDL	400	U	
4-Chloroaniline	850	400		
Hexachlorobutadiene	BDL	400	U	
4-Chloro-3-methylphenol	BDL	400	U	
2-Methylnaphthalene	BDL	400	U	
Hexachlorocyclopentadiene	BDL	400	U	
2,4,6-Trichlorophenol	BDL	400	U	
2,4,5-Trichlorophenol	BDL	2000	U	
2-Chloronaphthalene	BDL	400	U	
2-Nitroaniline	BDL	2000	U	
Dimethylphthalate	BDL	400	U	
Acenaphthylene	BDL	400	U	
2,6-Dinitrotoluene	BDL	400	U	
3-Nitroaniline	BDL .	2000	U	



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Units: UG/KG

SEMIVOLATILES BY GC/MS, HSL LIST

Semivolatile Compound	Result	Detection Limit	n Flag		
Acenaphthene	BDL	400	U		
2,4-Dinitrophenol	BDL	2000	U		
4-Nitrophenol	BDL	2000	U		
Dibenzofuran	BDL	400	U	· · · · · · · · · · · · · · · · · · ·	
2,4-Dinitrotoluene	BDL	400	U		
Diethylphthalate	BDL	400	U	 	
4-Chlorophenyl-phenylether	BDL	400	U		
Fluorene	BDL	400	U		
4-Nitroaniline	BDL	2000	U		
4,6-Dinitro-2-methylphenol	BDL	2000	U		
N-Nitrosodiphenylamine (1)	BDL	400	U		
4-Bromophenyl-phenylether	BDL	400	U		
Hexach Torobenzene	BDL	400	U		
Pentachlorophenol	E	2000			
Phenanthrene	BDL	400	U		
Anthracene	BDL	400	U		
Di-n-Butylphthalate	BDL	400	U		



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Date: Tuesday July 11th, 1989

RE: Lennon F101

Project # 1104-09-01-0000 Lab ID: 8906G259-001 Sample Date: 06/22/89 Date Received: 06/23/89 Units: UG/KG

Semivolatile Compound	Result	Detection Limit	Flag		
Fluoranthene	BDL	400	U		
Pyrene	BDL	400	U		_
Butylbenzylphthalate	BDL	400	U	·	
3,3'-Dichlorobenzidine	BDL	810	U		
Benzo(a)anthracene	BDL	400	U		
Chrysene	BDL	400	U		·
bis(2-Ethylhexyl)phthalate	150	400	J		,
Di-n-Octyl phthalate	BDL	400	U		
Benzo(b)fluoranthene	BDL	400	U		
Benzo(k)fluoranthene	BDL	400	U		
Benzo(a)pyrene	BDL	400	U		
Indeno(1,2,3-cd)pyrene	BDL	400	U		
Dibenzo(a,h)anthracene	BDL	400	U		-
Benzo(g,h,i)perylene	BDL	400	U		
					



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F101

Project # 1104-09-01-0000 Lab ID: **8906G259-001** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

20 Semivolatile Compounds greater than 10% of the nearest	
 internal standard_were tentatively identified by mass	
spectral library search. This is exclusive of any target	
compounds, surrogates or internal standards.	

	Retention	Estimated	
Semivolatile Compound	Time	Concentration	n
 Unknown	5.05	2000	JA
 UNKNOWN C6H5N3 OR C7H5NO	8.14	2000	J
 ISOCYANATO-METHYL-BENZENE	10.81	30000	J
METHYL BENZENAMINE	11.08	20000	J
CHLOROANILINE	12.20	3000	J
 CHLORO ISOCYANATO-BENZENE	12.36	3000	J
 Unknown	13.17	3000	J
 Unknown	13.23	2000	J
 ISOCYANATO-METHOXY-BENZENE	13.90	2000	J
 Unknown	14.57	1000	J



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F101

Project # 1104-09-01-0000 Lab ID: **8906G259-001** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

	Retention	Estimated	
Semivolatile Compound	Time	Concentration	
Unknown	21.20	7000 J	
Unknown	22.26	3000 J	
UNKNOWN HYDROCARBON	30.67	900 J	
UNKNOWN HYDROCARBON	31.71	1000 J	
UNKNOWN HYDROCARBON	32.70	1000 J	
UNKNOWN HYDROCARBON	33.29	800 J	
Unknown	33.42	2000 J	
UNKNOWN HYDROCARBON	33.66	2000 J	
Unknown	33.97	10000 J	-
OCTACHLORO-DIBENZO-DIOXIN	39.75	2000 J	
			



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F101

Project # 1104-09-01-0000 Lab ID: 8906G259-001 DL Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

	Semivolatile Comp	oound	Result	Detection Limit	Flag		
· · · · · · · · · · · · · · · · · · ·	Pentachlorophenol		9100	4000			
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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Friday July 14th, 1989

RE: Lennon F101 EPTOX

Project # 1104-09-01-0000 Lab ID: **8906G259-002** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

	Parameters	Result	Units	Reporting Limit
	Silver, EP Leachate	0.020 u	mg/L	0.020
	Arsenic, EP Leachate	0.0020 u	mg/L	0.0020
	Barium, EP Leachate	1.0 u	mg/L	1.0
	Cadmium, EP Leachate	0.021	mg/L	0.010
	Chromium, EP Leachate	0.020 u	mg/L	0.020
	Mercury, EP Leachate	0.0020 u	mg/L	0.0020
,	Lead, EP Leachate	0.050 u	mg/L	0.050
	Selenium, EP Leachate	0.0020 u	mg/L	0.0020
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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Thursday June 29th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: **8906G259-003** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

Para	meters	Result	Units	Reporting Limit	
% Sc	lids	70.3	%	0.10	
	*				
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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: **8906G259-003** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	
Chloromethane	BDL	14	U	
Bromomethane	BDL	14	U	
Vinyl Chloride	BDL	14	U	
Chloroethane	BDL	14	U	
Methylene Chloride	30	7	•	
Acetone	· 43	14	В	
Carbon Disulfide	BDL	7	U	
1,1-Dichloroethene	BDL	7	U	
1,1-Dichloroethane	BDL	7	U	
. 1,2-Dichloroethene (total)	BDL	7	U	
Chloroform	BDL	7	U	
1,2-Dichloroethane	10	7		,
2-Butanone	BDL	14	U	
1,1,1-Trichloroethane	BDL	7	U	
Carbon Tetrachloride	BDL	7	U	
Vinyl Acetate	BDL	14	U ·	
Bromodichloromethane	BDL	7	U	



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: **8906G259-003** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

	Volatile Compound	Result	Detectior Limit	r Flag	
	1,2-Dichloropropane	BDL	7	U	
	cis-1,3-Dichloropropene	BDL	7	U	
	Trichloroethene	BDL	7	U	
	Dibromochloromethane	BDL	7	U	
	1,1,2-Trichloroethane	BDL	7	U	
	Benzene	BDL	7	U	
	Trans-1,3-Dichloropropene	BDL	7	U	
· · · · · · · · · · · · · · · · · · ·	Bromoform	BDL	7	U	
	4-Methy1-2-pentanone	BDL	14	U	
	2-Hexanone	BDL	14	U	
	Tetrachloroethene	BDL	7	U	
	1,1,2,2-Tetrachloroethane	BDL	7	U	
	Toluene	13	7		
	Chlorobenzene	BDL	7	U	•
	Ethylbenzene	BDL	7	U	
	Styrene	BDL	7	U	
	Xylene (total)	BDL	7	U	



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: **8906G259-003** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds
No Volatile Compounds greater than 10% of the nearest
internal standard were tentatively identified by mass
spectral library search. This is exclusive of any target
compounds, surrogates or internal standards.



WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: **8906G259-003** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	
Chloromethane	BDL	14	U	
Bromomethane -	BDL	14	U	
Vinyl Chloride	BDL	14	U	,
Chloroethane	BDL	14	U	
Methylene Chloride	15	7	_	
Acetone	10	14	J	
Carbon Disulfide	BDL	7	U	
1,1-Dichloroethene	BDL	7	U	
1,1-Dichloroethane	BDL	7	U	
1,2-Dichloroethene (total)	BDL	7	U	
Chloroform	BDL	7	U	
1,2-Dichloroethane	7	7		
2-Bu tanone	BDL	14	U	
1,1,1-Trichloroethane	BDL	7	U	
Carbon Tetrachloride	BDL	7	U	
Vinyl Acetate	BDL	14	U	
Bromodichloromethane	BDL	7	U	



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: **8906G259-003** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	n Flag	
1,2-Dichloropropane	BDL	7	U	
cis-1,3-Dichloropropene	BDL	7	U	
Trichloroethene	BDL	7	U	
Dibromochloromethane	BDL	7	U	
1,1,2-Trichloroethane	BDL	. 7	U	
Benzene	BDL	7	U	
Trans-1,3-Dichloropropene	BDL	7	U	
Bromoform	BDL	7	U	
4-Methyl-2-pentanone	BDL	14	U	
2-Hexanone	BDL	14	U	
Tetrachloroethene	BDL	7	U	
1,1,2,2-Tetrachloroethane	BDL	7	U	
To luene**	6	7	J	
Chlorobenzene	BDL	7	U	
Ethylbenzene	BDL	7	U	
Styrene	BDL	7	U	
Xylene (total)	BDL	7	U	



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: 8906G259-003 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	ı Flag		
Phenol	BDL	460	U		
bis(2-Chloroethyl)ether	BDL	460	U		
2-Chlorophenol	BDL	460	U	. ,	
1,3-Dichlorobenzene	BDL	460	υ		
1,4-Dichlorobenzene	1000	460			
Benzyl alcohol	BDL	460	U		
1,2-Dichlorobenzene	BDL	460	U		
2-Methylphenol	BDL	460	U		_
bis(2-Chloroisopropyl)ether	BDL	460	U	3.5.	
4-Methylphenol	BDL	460	U		
N-Nitroso-Di-n-propylamine	BDL	460	U		
Hexachloroethane	BDL	460	U		
Nitrob enze ne	BDL	460	U		
Isophorone	BDL	460	U		
2-Nitrophenol	BDL	460	U		
2,4-Dimethylphenol	BDL	460	U		
Benzoic acid	BDL	2300	U		



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: 8906G259-003 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

	Semivolatile Compound	Result	Detection Limit	Flag	
	bis(2-Chloroethoxy)methane	BDL	460	U	
	2,4-Dichlorophenol	BDL	460	U	
	1,2,4-Trichlorobenzene	BDL	460	U	
	Naphthalene	BDL	460	υ	
	4-Chloroaniline	1600	460		
	Hexachlorobutadiene	BDL	460	U	
	4-Chloro-3-methylphenol	BDL	460	U	
	2-Methylnaphthalene	BDL	460	U	
	Hexachlorocyclopentadiene	BDL	460	U	·
	2,4,6-Trichlorophenol	BDL	460	U	
•	2,4,5-Trichlorophenol	BDL	2300	U	
	2-Chloronaphthalene	BDL	460	U	
	2-Nitroaniline	BDL	2300	U	
	Dimethylphthalate	BDL	460	U	
	Acenaphthylene	BDL	460	U	 -
	2,6-Dinitrotoluene	BDL	460	U	
	3-Nitroaniline	BDL	2300	. U	



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: 8906G259-003 Sample Date: 06/22/89 Date Received: 06/23/89 Units: UG/KG

Semivolatile Compound	Result	Detection Limit	r Flag	
Acenaphthene	BDL	460	U	
2,4-Dinitropheno-l	BDL	2300	U	
4-Nitrophenol	BDL	2300	U	
Dibenzofuran	BDL	460	U	
2,4-Dinitrotoluene	BDL	460	U	
Diethylphthalate	BDL	460	U	
4-Chlorophenyl-phenylether	BDL	460	U	
Fluorene	BDL	460	U	
4-Nitroaniline	BDL	2300	U	
4,6-Dinitro-2-methylphenol	BDL	2300	U	
N-Nitrosodiphenylamine (1)	BDL	460	U	
4-Bromophenyl-phenylether	BDL	460	U	
Hexachtorobenzene	BDL	460	U	-
Pentachlorophenol	480	2300	J	
Phenanthrene	BDL	460	U	
Anthracene	BDL	460	U	
Di-n-Butylphthalate	BDL	460	U	



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: 8906G259-003 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	Flag		
Fluoranthene	BDL	460	U		
Pyrene	BDL	460	U	,	
Butylbenzylphthalate	BDL	460	U	3	
3,3'-Dichlorobenzidine	BDL	920	U		
Benzo(a)anthracene	BDL	460	U		
Chrysene	BDL	460	U		
bis(2-Ethylhexyl)phthalate	690	460			
Di-n-Octyl phthalate	BDL	460	U		
Benzo(b)fluoranthene	BDL	460	U	· · · · · · · · · · · · · · · · · · ·	
Benzo(k)fluoranthene	BDL	460	U		-
Benzo(a)pyrene	BDL	460	U		
Indeno(1,2,3-cd)pyrene	BDL	460	U		
Dibenzo(a,h)anthracene	BDL	460	U		
Benzo(g,h,i)perylene	BDL	460	U		
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WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: 8906G259-003 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

20 Semivolatile Compounds greater than 10% of the nearest
internal standard were tentatively identified by mass
spectral library search. This is exclusive of any target
compounds, surrogates or internal standards.

		Retention	Estimated
	Semivolatile Compound	Time	Concentration
	Unknown	5.00	1000 JA
	ISOCYANATO-METHYL-BENZENE	10.74	20000 J
	METHYL BENZENAMINE	10.97	10000 J
	Unknown	13.10	5000 J
	ISOCYANATO-METHOXY-BENZENE	13.83	2000 J
-	Unknown	14.51	2000 J
	CHLORO-METHYL-BENZENAMINE	15.54	2000 J
	DICHLOROBENZENAMINE	16.15	2000 J
•	Unknown	17.61	2000 J
	UNKNOWN C10H80 + UNKNOWN	19.32	2000 J



2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F102

Project # 1104-09-01-0000 Lab ID: **8906G259-003** Sample Date: 06/22/89

Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

		Retention	Estimated	
	Semivolatile Compound	Time	Concentration	
	Unknown	21.14	10000 J	.
	Unknown	22.22	5000 J	
	Unknown	25.62	1000 J	
	Unknown	25.73	2000 J	
	Unknown	26.01	3000 J	•
	UNKNOWN HYDROCARBON	33.25	3000 J	
	Unknown	33.93	4000 J	
	Unknown	35.95	2000 J	
٤	UNKNOWN HYDROCARBON	36.49	2000 J	
	UNKNOWN HYDROCARBON	37.89	2000 J	



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Friday July 14th, 1989

RE: Lennon F102 EPT0X

Project # 1104-09-01-0000 Lab ID: **8906G259-004** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Silver, EP Leachate	0.020 u	mg/L	0.020
 Arsenic; EP Leachate	0.0047	mg/L	0.0020
Barium, EP Leachate	1.0 u	mg/L	1.0
Cadmium, EP Leachate	0.010	mg/L	0.010
Chromium, EP Leachate	0.020 u	mg/L	0.020
 Mercury, EP Leachate	0.0020 u	mg/L	0.0020
Lead, EP Leachate	0.050 u	mg/L	0.050
Selenium, EP Leachate	0.0032	mg/L	0.0020
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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Thursday June 29th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: **8906G259-005** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

	Parameters	Result	Units	Reporting Limit	
	% Solids	73.1	%	0.10	
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WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: **8906G259-005** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	
Chloromethane	BDL	14	U	
Bromomethane	BDL	14	U	
Vinyl Chloride	BDL	14	U	
Chloroethane	BDL	14	U	
Methylene Chloride	BDL	7	U	
Acetone	25	14	В	
Carbon Disulfide	BDL	7	U	
1,1-Dichloroethene	BDL	7	U	
1,1-Dichloroethane	BDL	7	U	
1,2-Dichloroethene (total)	BDL	7	U	
Chloroform	BDL	7	U	
1,2-Dichloroethane	BDL	7	U	
2-Butanone	BDL	14 -	U	
1,1,1-Trichloroethane	BDL	7	U	
Carbon Tetrachloride	BDL	7	U	
Vinyl Acetate	BDL	14	U	
Bromodichloromethane	BDL	7	U	
			•	



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: **8906G259-005** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	
1,2-Dichloropropane	BDL	7	U	
cis-1,3-Dichloropropene	BDL	7	U	
Trichloroethene	BDL	7	U	
Dibromochloromethane	BDL	7	U	
1,1,2-Trichloroethane	BDL	7	U	
Benzene	BDL	7	U	
Trans-1,3-Dichloropropene	BDL	7	U	
Bromoform	BDL	7	U	
4-Methyl-2-pentanone	BDL	14	U	
2-Hexanone	BDL	14	U	
Tetrachloroethene	BDL	7	U	
1,1,2,2-Tetrachloroethane	BDL	7	U	
Toluene	2	7	J	
Chlorobenzene	BDL	7	U	
Ethylbenzene	BDL	7	U	
Styrene	BDL	7	U	
Xylene (total)	BDL	7	U	



2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: **8906G259-005** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds	
No Volatile Compounds greater than 10% of the nearest	
internal standard-were tentatively identified by mass	
spectral library search. This is exclusive of any target	
compounds, surrogates or internal standards.	
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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: 8906G259-005

Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	
Chloromethane	BDL	14	U	
Bromomethane	BDL	14	U	
Vinyl Chloride	BDL	14	U	
Chloroethane	BDL	. 14	U	
Methylene Chloride	33	7		
Acetone	17	14		
Carbon Disulfide	BDL	. 7	U	
1,1-Dichloroethene	BDL	7	U	
1,1-Dichloroethane	BDL	7	U	
1,2-Dichloroethene (total)	BDL	7	U	
Chloroform	BDL	. 7	U	
1,2-Dichloroethane	BDL	7	U	,
2-But anone	BDL	14	U	
1,1,1-Trichloroethane	BDL .	7	U	
Carbon Tetrachloride	BDL	7	U	
Vinyl Acetate	BDL	14	U	
Bromodichloromethane	BDL	7	U	



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F201

Project # 1104-09-01-0000

Lab ID: **8906G259-005** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	
1,2-Dichloropropane	BDL	7	U	
cis-1,3-Dichloropropene	BDL	7	U	
Trichloroethene	BDL	7	U	
Dibromochloromethane	BDL	7	U	
1,1,2-Trichloroethane	BDL	7	U	
Benzene	BDL	7	U	
Trans-1,3-Dichloropropene	BDL	7	U	
Bromoform	BDL	7	U	
4-Methyl-2-pentanone	BDL	14	U	
2-Hexanone	BDL	14	U	
Tetrachloroethene	BDL	7	U	
1,1,2,2-Tetrachloroethane	BDL	7	U	
Toluene	3	7	J	
Chlorobenzene	BDL	7	U	
Ethylbenzene	BDL	7	U	
Styrene	BDL	7	U	
Xylene (total)	BDL	7	U	



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: **8906G259-005** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	r Flag	
Phenol	170	450	J	
bis(2-Chloroethyl)ether	BDL	450	U	
2-Chlorophenol	BDL	450	U	
1,3-Dichlorobenzene	BDL	450	U	
1,4-Dichlorobenzene	1300	450		
Benzyl alcohol	BDL	450	U	
1,2-Dichlorobenzene	BDL	450	.U	
2-Methylphenol	BDL	450	U	
bis(2-Chloroisopropyl)ether	BDL	450	U	,
4-Methylphenol	BDL	450	U	
N-Nitroso-Di-n-propylamine	BDL	450	U	
Hexachloroethane	BDL	450	U	
Nitrobenzene	BDL	450	U	
Isophorone	BDL	450	U	
2-Nitrophenol	BDL	450	U	
2,4-Dimethylphenol	BDL	450	U	
Benzoic acid	BDL	2300	U	



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: 8906G259-005 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detectior Limit	Flag	
bis(2-Chloroethoxy)methane	BDL	450	U	
2,4-Dichlorophenel	BDL	450	U	
1,2,4-Trichlorobenzene	BDL	450	U	
Naphthalene	BDL	450	U	
4-Chloroaniline	720	450		
Hexachlorobutadiene	BDL	450	U	
4-Chloro-3-methylphenol	BDL	450	U	
2-Methylnaphthalene	BDL	450	U	
Hexachlorocyclopentadiene	BDL	450	U	
2,4,6-Trichlorophenol	BDL	450	U	
2,4,5-Trichlorophenol	BDL	2300	U	
2-Chloronaphthalene	BDL	450	U	
2-Nitroin1line	BDL	2300	U	
Dimethylphthalate	BDL	450	U	
Acenaphthylene	BDL	450	U	
2,6-Dinitrotoluene	BDL	450	U	
3-Nitroaniline	BDL	2300	U	



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: 8906G259-005 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	r Flag	
Acenaphthene	BDL	450	U	
2,4-Dinitrophenol	BDL	2300	U	
4-Nitrophenol	8DL	2300	U	:
Dibenzofuran	BDL	450	U	
2,4-Dinitrotoluene	BDL	450	U	
Diethylphthalate	BDL	450	U	
4-Chlorophenyl-phenylether	BDL	450	U	
Fluorene	BDL	450	U	
4-Nitroaniline	BDL	2300	U	
4,6-Dinitro-2-methylphenol	BDL	2300	U	
N-Nitrosodiphenylamine (1)	BDL	450	U	
4-Bromophenyl-phenylether	BDL	450	U	
Hexach Forobenzene	BDL	450	U	
Pentachlorophenol	310	2300	J	
Phenanthrene	BDL	450	U	
Anthracene	BDL	450	U	
Di-n-Butylphthalate	BDL	450	U	
				



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: **8906G259-005** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit			
oranthene	BDL	450	U		
ene	BDL	450	. U		
ylbenzylphthalate	BDL	450	U	i,	
'-Dichlorobenzidine	BDL	910	U		
zo(a)anthracene	BDL	450	U		
ysene	BDL	450	U		
(2-Ethylhexyl)phthalate	BDL	450	U		
n-Octyl phthalate	BDL	` 450	U		
zo(b)fluoranthene	BDL	450	U		
zo(k)fluoranthene	BDL	450	U		•
zo(a)pyrene	BDL	450	U		
eno(1,2,3-cd)pyrene	BDL	450	U		
enzota,h)anthracene	BDL	450	U		
zo(g,h,i)perylene	BDL	450	U		
	Semivolatile Compound oranthene ene ylbenzylphthalate '-Dichlorobenzidine zo(a)anthracene ysene (2-Ethylhexyl)phthalate n-Octyl phthalate zo(b)fluoranthene zo(k)fluoranthene zo(a)pyrene eno(1,2,3-cd)pyrene enzo(a,h)anthracene zo(g,h,i)perylene	oranthene BDL ene BDL ylbenzylphthalate BDL '-Dichlorobenzidine BDL zo(a)anthracene BDL ysene BDL (2-Ethylhexyl)phthalate BDL n-Octyl phthalate BDL zo(b)fluoranthene BDL zo(k)fluoranthene BDL zo(a)pyrene BDL eno(1,2,3-cd)pyrene BDL enzo(a,h)anthracene BDL	Semivolatile Compound Result Limit oranthene BDL 450 BDL 450 ylbenzylphthalate BDL 450 '-Dichlorobenzidine BDL 20(a)anthracene BDL 450 ysene BDL 450 (2-Ethylhexyl)phthalate BDL 450 n-Octyl phthalate BDL 450 zo(b)fluoranthene BDL 450 zo(k)fluoranthene BDL 450 zo(a)pyrene BDL 450 BDL 450	oranthene BDL 450 U ene BDL 450 U ylbenzylphthalate BDL 450 U '-Dichlorobenzidine BDL 910 U zo(a)anthracene BDL 450 U ysene BDL 450 U (2-Ethylhexyl)phthalate BDL 450 U n-Octyl phthalate BDL 450 U zo(b)fluoranthene BDL 450 U zo(k)fluoranthene BDL 450 U zo(k)fluoranthene BDL 450 U eno(1,2,3-cd)pyrene BDL 450 U enzo(a,h)anthracene BDL 450 U enzo(a,h)anthracene BDL 450 U	Semivolatile Compound Result Limit Flag oranthene BDL 450 U ene BDL 450 U ylbenzylphthalate BDL 7-Dichlorobenzidine BDL 20(a)anthracene BDL 450 U ysene BDL 450 U (2-Ethylhexyl)phthalate BDL 450 U n-Octyl phthalate BDL 450 U zo(b)fluoranthene BDL 450 U zo(k)fluoranthene BDL 450 U zo(k)fluoranthene BDL 450 U eno(1,2,3-cd)pyrene BDL 450 U enzo(a,h)anthracene BDL 450 U enzo(a,h)anthracene BDL 450 U enzo(a,h)anthracene BDL 450 U



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: 8906G259-005 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

	20 Semivolatile Compounds greater than 10% of the nearest
	internal standard were tentatively identified by mass
	spectral library search. This is exclusive of any target
_	compounds, surrogates or internal standards.

Semivolatile Compound Time Concentration ISOCYANATO-METHYL-BENZENE 10.69 10000 J METHYL BENZENAMINE 10.92 7000 J CHLOROANILINE 12.10 3000 J CHLORO-ISOCYANATO-BENZENE 12.28 3000 J DICHLOROBENZENAMINE 16.10 900 J UNKNOWN C10H80 19.27 800 J CHLORO-NITRO-RENZENAMINE 20.59 1000 J		Time	Concentration	
METHYL BENZENAMINE 10.92 7000 J CHLOROANILINE 12.10 3000 J CHLORO-ISOCYANATO-BENZENE 12.28 3000 J DICHLOROBENZENAMINE 16.10 900 J UNKNOWN C10H80 19.27 800 J	ISOCYANATO-METHYL-BENZENE			
CHLOROANILINE 12.10 3000 J CHLORO-ISOCYANATO-BENZENE 12.28 3000 J DICHLOROBENZENAMINE 16.10 900 J UNKNOWN C10H80 19.27 800 J		10.69	10000 J	
CHLORO-ISOCYANATO-BENZENE 12.28 3000 J DICHLOROBENZENAMINE 16.10 900 J UNKNOWN C10H80 19.27 800 J	METHYL BENZENAMINE	10.92	7000 J	
DICHLOROBENZENAMINE 16.10 900 J UNKNOWN C10H80 19.27 800 J	CHLOROANILINE	12.10	3000 J	
UNKNOWN C10H80 19.27 800 J	CHLORO-ISOCYANATO-BENZENE	12.28	3000 J	
	DICHLOROBENZENAMINE	16.10	900 J	
CHIODO-NITRO-RENZENAMINE 20 50 1000 1	UNKNOWN C10H80	19.27	800 J	
CHECKO-HTTKO-BEHZEHAHTHE 20.59 1000 0	CHLORO-NITRO-BENZENAMINE	20.59	1000 J	
Unknown 21.08 3000 J	Unknown	21.08	3000 J	
UNKNOWN C7H4C1NO or C6H4C1N3 21.47 1000 J	UNKNOWN C7H4C1NO or C6H4C1N3	21.47	1000 J	
Unknown 22.10 400 J	Unknown	22.10	400 J	



WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: **8906G259-005** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

	Retention	Estimated	
Semivolatile Compound	Time	Concentration	1
UNKNOWN HYDROCARBON	29.47	400	J . 5
UNKNOWN HYDROCARBON	30.53	500	J
UNKNOWN HYDROCARBON	31.56	500	J
Unknown	32.11	400	J
UNKNOWN HYDROCARBON	32.56	400	J
Unknown	33.28	2000	J
UNKNOWN HYDROCARBON	33.51	400	J
Unknown	33.85	9000	J
Unknown	34.76	500	J
Unknown	35.78	900	J
Article College			



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To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: 8906G259-005 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

	Semivolatile Compound	Result	Detection Limit	n Flag		
	Phenol	66	450	J		
	bis(2-Chloroethyl)ether	BDL	450	U		
	2-Chlorophenol	BDL	450	U	;	
	1,3-Dichlorobenzene	BDL	, 450	U		
	1,4-Dichlorobenzene	390	450	J		
	Benzyl alcohol	BDL	450	U		
	1,2-Dichlorobenzene	BDL	450	U		
,	2-Methylphenol	BDL	450	U		
	bis(2-Chloroisopropyl)ether	BDL	450	U		-
	4-Methylphenol	BDL	450	U		
	N-Nitroso-Di-n-propylamine	BDL	450	U		
	Hexachloroethane	BDL	450	U		
	Nitrob enze ne	BDL	450	U		
	Isophorone	BDL	450	U	-	
	2-Nitrophenol	BDL	450	U		
	2,4-Dimethylphenol	BDL	450	U		
	Benzoic acid	BDL	2200	U		



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: 8906G259-005 Sample Date: 06/22/89

Date Received: 06/23/89

Units: UG/KG

	Semivolatile Compound	Result	Detection Limit	Flag		
·	bis(2-Chloroethoxy)methane	BDL	450	U	•	
	2,4-Dichlorophenol	BDL	450	U		
	1,2,4-Trichlorobenzene	BDL	450	U		
	Naphthalene	BDL	450	U		
	4-Chloroaniline	100	450	J		
	Hexachlorobutadiene	BDL	450	· U		
	4-Chloro-3-methylphenol	BDL	450	U	-	
	2-Methylnaphthalene	BDL	450	U		
	Hexachlorocyclopentadiene	BDL	450	U		
	2,4,6-Trichlorophenol	BDL	450	U	-	
	2,4,5-Trichlorophenol	BDL	2200	U		
	2-Chloronaphthalene	BDL	450	U		
	2-NitroemTine	BDL	2200	U		
	Dimethylphthalate	BDL	450	U		
	Acenaphthylene	BDL	450	U		
	2,6-Dinitrotoluene	BDL	450	U		
	3-Nitroaniline	BDL	2200	U		



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: 8906G259-005 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Result	Detection Limit	Flag		
BDL	450	U		
BDL	2200	· U		
BDL	2200 .	U	i i	
BDL	450	U		
BDL	450	U		
BDL	450	U		
BDL	450	U		
BDL	450	U		
BDL	2200	U		
BDL	2200	U		
BDL	450	U		
BDL	450	U		
BDL	450	U		
240	2200	J		
BDL	450	U		
BDL	450	U		-
BDL	450	U		
	BDL	Result Limit BDL 450 BDL 2200 BDL 2200 BDL 450 BDL 450 BDL 450 BDL 450 BDL 2200 BDL 2200 BDL 450 BDL 450	BDL 2200 U BDL 2200 U BDL 2200 U BDL 450 U BDL 2200 U BDL 2200 U BDL 2200 U BDL 450 U	Result Limit Flag BDL 450 U BDL 2200 U BDL 2200 U BDL 450 U BDL 450 U BDL 450 U BDL 450 U BDL 2200 U BDL 2200 U BDL 2200 U BDL 450 U



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F201

Project # 1104-09-01-0000 Lab ID: 8906G259-005 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	n Flag		
Fluoranthene	BDL	450	U		
Pyrene -	BDL	450	U		
Butylbenzylphthalate	BDL	450	U	9	
3,3'-Dichlorobenzidine	BDL	900	U		
Benzo(a)anthracene	BDL	450	U		
Chrysene	BDL	450	U		
bis(2-Ethylhexyl)phthalate	BDL	450	U		
Di-n-Octyl phthalate	BDL	450	U		
Benzo(b)fluoranthene	BDL	450	U		
Benzo(k)fluoranthene	BDL	450	U		
Benzo(a)pyrene	BDL	450	U		
Indeno(1,2,3-cd)pyrene	BDL	450	U		
Dibenzo(a,h)anthracene	BDL	450	U		
Benzo(g,h,i)perylene	BDL	450	U		



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Friday July 14th, 1989

RE: Lennon F201 EPT0X

Project # 1104-09-01-0000 Lab ID: **8906G259-006** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
 Silver, EP Leachate	0.020 u	mg/L	0.020
Arsenic, EP Leachate	0.0020 u	mg/L	0.0020
Barium, EP Leachate	1.0 u	mg/L	1.0
 Cadmium, EP Leachate	0.021	mg/L	0.010
Chromium, EP Leachate	0.020 u	mg/L	0.020
Mercury, EP Leachate	0.0020 u	mg/L	0.0020
Lead, EP Leachate	5.6	mg/L	2.0
Selenium, EP Leachate	0.0028	mg/L	0.0020
4c			
 			



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Thursday June 29th, 1989

RE: Lennon F301

Project # 1104-09-01-0000

Lab ID: **8906G259-007**Sample Date: 06/22/89
Date Received: 06/23/89

Inorganic Client Data Report

 Parameters	Result	Units	Reporting Limit
% Solids	61.2	%	0.10

	•		
		<u>_</u>	



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: **8906G259-007** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound ·	Result	Detection Limit	Flag	
Chloromethane	BDL	16	U	
Bromomethane	BDL	16	U	
Vinyl Chloride	BDL	16	U	
Chloroethane	BDL	16	U	
Methylene Chloride	67	8		
Acetone	63	16	В	-
Carbon Disulfide	63	8		
1,1-Dichloroethene	BDL	8	U	•
1,1-Dichloroethane	BDL	8	U	
1,2-Dichloroethene (total)	BDL	8	U	
Chloroform	BDL	8	U	
1,2-Dichloroethane	32 ·	8		
2-Bu tanone	BDL	16	U	
1,1,1-Trichloroethane	BDL	. 8	U	
Carbon Tetrachloride	BDL	8	U	
Vinyl Acetate	BDL	16	U	
Bromodichloromethane	BDL	8	U	



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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: 8906G259-007 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	F1 ag	-
1,2-Dichloropropane	BDL	8	U	
cis-1,3-Dichloropropene	BDL	8	U	
Trichloroethene	BDL	8	U	
Dibromochloromethane	BDL	8	U'	
1,1,2-Trichloroethane	BDL	8	U	
Benzene	BDL	8	U	
Trans-1,3-Dichloropropene	BDL	8	U	
Bromoform	BDL	8	U	
4-Methyl-2-pentanone	BDL	16	U	
2-Hexanone	BDL	16	U	
Tetrachloroethene	BDL	8	U	
1,1,2,2-Tetrachloroethane	BDL	8	U	
Toluene	5	8	J	
Chlorobenzene	BDL	8	U	
Ethylbenzene	BDL	8	U	
Styrene	BDL	8	U	
Xylene (total)	BDL	8	U	



WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: **8906G259-007** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds	
No Volatile Compounds greater than 10% of the nearest	
internal standard were tentatively identified by mass	
spectral library search. This is exclusive of any target	
compounds, surrogates or internal standards.	
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WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: **8906G259-009** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

Time IAMINE 20.48 20.84 20.99 C6H4CIN3 21.35 31.58		entration	÷
20.84 20.99 C6H4C1N3 21.35		2000 J 40000 J	÷
20.99 C6H4C1N3 21.35		40000 J	
C6H4CTN3 21.35			
		8000 J	
31.58			
31.00		2000 J	
33.14		9000 J	
33.69		70000 J	
34.68		10000 J	
35.21		8000 J	
38.99		20000 J	
	33.69 34.68 35.21	33.69 34.68 35.21	33.69 70000 J 34.68 10000 J 35.21 8000 J



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Friday July 14th, 1989

RE: Lennon L101 EPTOX

Project # 1104-09-01-0000 Lab ID: **8906G259-010** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

	Parameters	Result	Units	Reporting Limit
	Silver, EP Leachate	0.020 u	mg/L	0.020
	Arsenic, EP Leachate	0.0020	mg/L	0.0020
	Barium, EP Leachate	1.0 u	mg/L	1.0
_	Cadmium, EP Leachate	0.016	mg/L	0.010
	Chromium, EP Leachate	0.024	mg/L	0.020
	Mercury, EP Leachate	0.0020 u	mg/L	0.0020
	Lead, EP Leachate	5.0	mg/L	2.0
	Selenium, EP Leachate	0.0029	mg/L	0.0020
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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Thursday June 29th, 1989

RE: Lennon L102

Project # 1104-09-01-0000 Lab ID: **8906G259-011** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

	Parameters	Result	Units	Reporting Limit
5	6 Solids	61.5	%	0.10
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WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219),885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L102

Project # 1104-09-01-0000 Lab ID: **8906G259-011** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Result	Detection Limit	Flag	
BDL	16	U	
BDL	16	U	
BDL	16	U	
BDL	. 16	U	_
7	8	JB	
200	16	В	
10	8		
BDL	8	U	•
BDL	8	U	
BDL	. 8	U	
BDL	8	U	
BDL	8	U	
55	16		
BDL	8	U	
BDL	8	U	
BDL	16	U	
BDL	8	U	
	BDL BDL 7 200 10 BDL	Result Limit BDL 16 BDL 16 BDL 16 BDL 16 7 8 200 16 10 8 BDL 16	BDL 16 U BDL 16 U BDL 16 U BDL 16 U 7 8 JB 200 16 B 10 8 U BDL 8 U



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L102

Project # 1104-09-01-0000 Lab ID: **8906G259-011** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Result	Detection Limit	Flag	
BDL	8	U	
BDL	8	U	
BDL	8	บ	
BDL	8	U	
BDL	. 8	U	
BDL	16	U	
BDL	16	U	
BDL	8	U	· · · · · ·
BDL	8	U	
BDL	8	U	
	BDL	Result Limit BDL 8 BDL 16 BDL 8 BDL 8	BDL 8 U BDL 8 U



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L102

Project # 1104-09-01-0000 Lab ID: **8906G259-011** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds	
No Volatile Compounds greater than 10% of the nearest	
internal standard were tentatively identified by mass	
spectral library search. This is exclusive of any target	
compounds, surrogates or internal standards.	
	_
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	—



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L102

Project # 1104-09-01-0000 Lab ID: 8906G259-011 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	Flag		
Phenol	BDL	1100	U		
bis(2-Chloroethyl)ether	BDL	1100	U		
2-Chlorophenol	BDL	1100	U	ž V	
1,3-Dichlorobenzene	BDL	1100	U		·
1,4-Dichlorobenzene	BDL	1100	U		
Benzyl alcohol	BDL	1100	U		
1,2-Dichlorobenzene	BDL	1100	U		
2-Methylphenol	BDL	1100	U		
bis(2-Chloroisopropyl)ether	BDL	1100	U		
4-Methylphenol	BDL	1100	U		
N-Nitroso-Di-n-propylamine	BDL	1100	U		
Hexachloroethane	BDL	1100	U		
Nitrobenzene	BDL	1100	U		
Isophorone	BDL	1100	U		
2-Nitrophenol	BDL	1100	U		
2,4-Dimethylphenol	BDL	1100	U		
Benzoic acid	BDL	5400	U		



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L102

Project # 1104-09-01-0000

Lab ID: 8906G259-011 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	Flag
bis(2-Chloroethoxy)methane	BDL	1100	U
2,4-Dichlorophenol	BDL	1100	U
1,2,4-Trichlorobenzene	BDL	1100	U
Naphthalene	BDL	1100	U
4-Chloroaniline	650	1100	J
Hexachlorobutadiene	BDL	1100	U
4-Chloro-3-methylphenol	BDL	1100	U
2-Methylnaphthalene	BDL	1100	U
Hexachlorocyclopentadiene	BDL	1100	U
2,4,6-Trichlorophenol	BDL	1100	U
2,4,5-Trichlorophenol	BDL	5400	U
2-Chloronaphthalene	BDL	1100	U
2-Nitroaniline	BDL	5400	U
Dimethylphthalate	BDL	1100	U
Acenaphthylene	BDL	1100	U
2,6-Dinitrotoluene	BDL	1100	U
3-Nitroaniline	BDL	5400	V



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L102

Project # 1104-09-01-0000 Lab ID: 8906G259-011 Sample Date: 06/22/89 Date Received: 06/23/89 Units: UG/KG

Semivolatile Compound	Result	Detection Limit	Flag
Acenaphthene	BDL	1100	U
2,4-Dinitrophenol	BDL	5400	U-
4-Nitrophenol	BDL	5400	U
Dibenzofuran	BDL	1100	U
2,4-Dinitrotoluene	BDL	1100	V
Diethylphthalate	BDL	11.00	U
4-Chlorophenyl-phenylether	BDL	1100	V
Fluorene	BDL	1100	U
4-Nitroaniline	BDL	5400	U ·
4,6-Dinitro-2-methylphenol	BDL	5400	V
N-Nitrosodiphenylamine (1)	BDL	1100	Ų
4-Bromophenyl-phenylether	BDL	1100	U
Hexach Torobenzene	BDL	1100	V
Pentachlorophenol	BDL	5400	U
Phenanthrene	880	1100	J
Anthracene	310	1100	J
Di-n-Butylphthalate	BDL	1100	U



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Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L102

Project # 1104-09-01-0000 Lab ID: 8906G259-011 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	n Flag	
Fluoranthene	1300	1100		-
Pyrene	430	1100	J	
Butylbenzylphthalate	BDL	1100	U	
3,3'-Dichlorobenzidine	BDL	2200	U	
Benzo(a)anthracene	340	1100	J	
Chrysene	460	1100	J	
bis(2-Ethylhexyl)phthalate	BDL	1100	U	
Di-n-Octyl phthalate	BDL	1100	U	
Benzo(b)fluoranthene	350	1100	J	
Benzo(k)fluoranthene	200	1100	J	
Benzo(a)pyrene	BDL	1100	U	
Indeno(1,2,3-cd)pyrene	BDL	1100	U	
Dibenzo(a,h)anthracene	BDL	1100	U	· · · · · · · · · · · · · · · · · · ·
Benzo(g,h,i)perylene	BDL	1100	U	



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L102

Project # 1104-09-01-0000 Lab ID: **8906G259-011** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

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***************************************	20 Semivolatile Compounds greater than 10% of the nearest	
	internal standard were tentatively identified by mass	
	spectral library search. This is exclusive of any target	
	compounds, surrogates or internal standards.	
		-

		Retention	Estimated
	Semivolatile Compound	Time	Concentration
	Unknown	4.93	4000 JA
	ISOCYANATO-METHYL-BENZENE	10.62	2000 J
	METHYL BENZENAMINE	10.84	6000 J
	CHLOROANILINE	12.04	4000 J
-	Unknown	12.42	1000 J
	UNKNOWN C10H180	13.38	1000 J
	DICHLOROBENZENAMINE	16.04	9000 J
	UNKNOWN C10H80	19.18	800 J
	Unknown	20.95	2000 J
<u> </u>	Unknown	21.17	1000 J



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· 2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L102

Project # 1104-09-01-0000 Lab ID: 8906G259-011

Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

	Retention	Estimated
Semivolatile Compound	Time	Concentration
UNKNOWN HYDROCARBON	21.99	800 J
UNKNOWN HYDROCARBON + HSL	23.29	900 J
Unknown	25.40	700 J
mol. SULFUR (S8)	26.61	700 J
Unknown	33.15	2000 J
Unknown	33.41	2000 J
UNK HYDROCARBON + UNKNOWN	35.33	2000 J
Unknown	37.73	2000 J
Unknown	38.98	2000 J
UNKNOWN STEROL	42.10	4000 J



WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Friday July 14th, 1989

RE: Lennon L102 EPT0X

Project # 1104-09-01-0000 Lab ID: **8906G259-012** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Silver, EP Leachate	0.020 u	mg/L	0.020
Arsenic, EP Leachate	0.0032	mg/L	0.0020
Barium, EP Leachate	1.0 u	mg/L	1.0
Cadmium, EP Leachate	3.6	mg/L	0.40
Chromium, EP Leachate	0.029	mg/L	0.020
Mercury, EP Leachate	0.0020 u	mg/L	0.0020
Lead, EP Leachate	14.6	mg/L	2.0
Selenium, EP Leachate	0.0035	mg/L	0.0020
		•	
•			
= 100 mg/m			



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Thursday June 29th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: **8906G259-013** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

Para	neters	Result	Units	Reporting Limit
% So	lids	73.5	%	0.10
				
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2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: **8906G259-013** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	n Flag	
Chloromethane	BDL	14	U	
Bromomethane -	BDL	14	U	
Vinyl Chloride	BDL	14	U	
Chloroethane	BDL	14	U	
Methylene Chloride	29	7	В	
Acetone	BDL	14	U	
Carbon Disulfide	15	7		
1,1-Dichloroethene	BDL	7	U	
1,1-Dichloroethane	BDL	7	U	-
1,2-Dichloroethene (total)	BDL	7	U	
Chloroform	BDL	7	U	,
1,2-Dichloroethane	BDL	7	U	
2-Butanone	BDL	14	U	
1,1,1-Trichloroethane	19	7	В	
Carbon Tetrachloride	BDL	7	U	
Vinyl Acetate	BDL	- 14	U	
Bromodichloromethane	BDL	7	U	



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: 8906G259-013 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Vola	atile Compound	Result	Detection Limit	Flag	
1,2-Dich	oropropane	BDL	7	U	
cis-1,3-[Dichloropropene	BDL	7	U	
Trichlore	pethene	BDL	7	U	
Dibromoch	loromethane	BDL	7	U	
1,1,2-Tr	ichloroethane	BDL	7	U	
Benzene		BDL	7	U	
Trans-1,3	3-Dichloropropene	BDL	7	U	
Bromoform	1	BDL	7	U	
4-Methyl	-2-pentanone	BDL	14	U	
2-Hexanor	ne	BDL	. 14	U	
Tetrachlo	roethene	BDL	7	U	
1,1,2,2-	[etrachloroethane	BDL	7	U	
Toluene		BDL	7	U	
Chlorober	nzene	BDL	7	U	
Ethylbenz	zene	BDL	7	U	
Styrene		BDL	7	U	
Xylene (1	cotal)	BDL	7	U	
Ethylben: Styrene	zene	BDL BDL	7	U	



 $\label{thm:prop} \textbf{WESTON-GULF COAST LABORATORIES, INC.}$

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: 8906G259-013 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identi	fied Compounds		<u>}</u>
1 Volatile Compounds greater t	han 10% of the n	earest	
internal standard were tentativ	ely identified b	y mass	
spectral library search. This	is exclusive of	any target	
compounds, surrogates or intern	al standards.		
	Retention	Estimated	
Volatile Compound	Time	Concentration	
Unknown	19:37	10 J	
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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: 8906G259-013 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detectior Limit	Flag	
Chloromethane	BDL	14	U	
Bromomethane	BDL	14	U	
Vinyl Chloride	BDL	14	U	
Chloroethane	, BDL	14	U	
Methylene Chloride	E	7		
Acetone	BDL	14	U	
Carbon Disulfide	73	7		
1,1-Dichloroethene	BDL	7	U	
1,1-Dichloroethane	BDL `	7	U	
1,2-Dichloroethene (total)	BDL	7	U	٤
Chloroform	BDL	7	U	
1,2-Dichloroethane	BDL	7	U	
2-Butanone	BDL	14	U	
1,1,1-Trichloroethane	BDL	7	U	
Carbon Tetrachloride	BDL	7	U	
Vinyl Acetate	BDL	14	U	
Bromodichloromethane	BDL	7	U	



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: **8906G259-013** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

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2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: 8906G259-013 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	n Flag	
Phenol	BDL	4400	U	
bis(2-Chloroethyl)ether	BDL	4400	U	
2-Chlorophenol	BDL	4400	U	÷
1,3-Dichlorobenzene	BDL	4400	U	
1,4-Dichlorobenzene	9900	4400		
Benzyl alcohol	BDL	4400	υ	
1,2-Dichlorobenzene	BDL	4400	U	
2-Methylphenol	BDL	4400	U	
bis(2-Chloroisopropyl)ether	BDL	4400	U	
4-Methylphenol	BDL	4400	U	
N-Nitroso-Di-n-propylamine	BDL	4400	U	
Hexachloroethane \(BDL	4400	U	
Nitrobenzene	BDL	4400	U	
Isophorone	BDL	4400	U	
2-Nitrophenol	BDL	4400	U	
2,4-Dimethylphenol	BDL	4400	U	
Benzoic acid	6900	22000	J	•



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: 8906G259-013 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

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WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: 8906G259-013 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	Flag	
Acenaphthene	BDL.	4400	U	
2,4-Dinitrophenol	BDL	22000	U	
4-Nitrophenol	BDL	22000	U	
Dibenzofuran	BDL	4400	U	
2,4-Dinitrotoluene	BDL	4400	U	
Diethylphthalate	BDL	4400	U	
4-Chlorophenyl-phenylether	BDL	4400	U	-
Fluorene	BDL	4400	U	
4-Nitroaniline	BDL	22000	U	
4,6-Dinitro-2-methylphenol	BDL	22000	U	
N-Nitrosodiphenylamine (1)	BDL	4400	U	
4-Bromophenyl-phenylether	BDL	4400	U	
Hexach lorobenzene	BDL	4400	U	
Pentachlorophenol	BDL	22000	U	
Phenanthrene	BDL	4400	U	
Anthracene	BDL	4400	Ü	
Di-n-Butylphthalate	BDL	4400	U	



WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: 8906G259-013 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

	Semivolatile Compound	Result	Detection Limit	n Flag	
	Fluoranthene	BDL	4400	U	
	Pyrene -	BDL	4400	U	
	Butylbenzylphthalate	BDL	4400	U	
	3,3'-Dichlorobenzidine	BDL	8900	U	
	Benzo(a)anthracene	BDL	4400	U	
	Chrysene	BDL	4400	U	
	bis(2-Ethylhexyl)phthalate	BDL	4400	U	
•	Di-n-Octyl phthalate	BDL	4400	U	
	Benzo(b)fluoranthene	BDL	4400	U	
	Benzo(k)fluoranthene	BDL	4400	U	
	Benzo(a)pyrene	BDL	4400	U	
	Indeno(1,2,3-cd)pyrene	BDL	4400	U	
	Dibenzo(a,h)anthracene	BDL	4400	U	
	Benzo(g,h,i)perylene	BDL	4400	U	



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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: **8906G259-013** Sample Date: 06/22/89

Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

20 Semivolatile Compounds greater than 10% of the nearest	
internal standard were tentatively identified by mass	
spectral library search. This is exclusive of any target	
 compounds, surrogates or internal standards.	

	Retention	Estimated
Semivolatile Compound	Time	Concentration
UNKNOWN C6H5N3 or C7H5NO	7.98	3000 J
ISOCYANATO-METHYL-BENZENE	10.61	90000 J
METHYL BENZENAMINE	10.78	30000 J
CHLOROANILINE	12.01	20000 J
CHLORO-ISOCYANATO-BENZENE	12.18	30000 J
CHLORO-NITRO-BENZENE	14.07	4000 J
DICHLOROBENZENAMINE	15.99	4000 J
Unknown	17.86	4000 J
UNKNOWN C6H5N3 or C7H5NO	18.29	5000 J
Unknown	18.86	4000 J



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L201

Project # 1104-09-01-0000 Lab ID: 8906G259-013 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

	Retention	Estimated	
Semivolatile Compound	Time	Concentration	1
Unknown	19.02	3000	J ;
Unknown	19.65	5000	J
CHLORO-NITRO-BENZENAMINE	20.48	2000	J
Unknown	20.99	50000	J
UNKNOWN C7H4C1NO or C6H4C1N3	21.38	20000	J
Unknown	25.37	2000	J
Unknown	26.33	2000	J
Unknown	28.84	4000	J
Unknown	33.15	8000	J
Unknown	33.70	5000	J
	· · · · · · · · · · · · · · · · · · ·		•
•			



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Friday July 14th, 1989

RE: Lennon L201 EPTOX

Project # 1104-09-01-0000 Lab ID: **8906G259-014** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Silver, EP Leachate	0.020 u	mg/L	0.020
Arsenic, EP Leachate	0.0020 u	mg/L	0.0020
Barium, EP Leachate	1.0 u	mg/L	1.0
 Cadmium, EP Leachate	0.012	mg/L	0.010
Chromium, EP Leachate	0.020 u	mg/L	0.020
Mercury, EP Leachate	0.0020 u	mg/L	0.0020
 Lead, EP Leachate	9.4	mg/L	2.0
 Selenium, EP Leachate	0.0020 u	mg/L	0.0020
		· 	·
			

WESTON	Analytics Use Only	Custo	iy Tr	ansfer	Red	cord	d/La	ab V	Vork	Requ	uest		M STATE
29	06 G 259		Refrige	rator#	P	C	W						WESTON Analytics
				Container	17G	1/6	116						Use Only Samples Were:
Client -L	11 EPa		Volum	•	202	3202	3202		->				1,Shipped (Hand-)
Work Order	1-1-2100	luka	Presen	/ative	Cool	C001	(00)						Delivered
Date Rec'd.	6/23/89 Date Due	(114/87)		VOEO				۵.	RCRA			1	NOTES: Feet
RFW Contac Client Contac	cuphone Sue Doul	oet	REQUI	ESTED	06244		EPII	Solid	EP				2 Ambient of Chilled NOTES:
WA Use Only Lab ID	Client ID/Descr		Metrix	Date Collected									3 Received Brokerv
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< 00€	Lennon Flo	EPTOX	W						V				Sealed) (N)
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006		EPTOX	W										NOTES:
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	Potti anderson Ch	O. Karmolu 6/2	13 /3	45		<u> </u>							Diameter Between

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Sample Labels and CQ6

Record?

NOTES:

Seal #:_5067 IEFA - CLP CHAIN OF CUSTODY Date Sealed: 6/13/89 By: Aww Facility Name : LENNON WALLPAPER Site Inventory # : 1970455001 gion:NORTHERN Site Billing Code: LP-52547 unty/WILL. Project Manager : DENNIS NEWMAN LABÜRATÜRY ... SAMPLE ITE SAMPLE DATE BAMPLE FIME 89066259-001-002 F101 6-22-89 12160 Sample Appearance : Coconão SocC Callettor Comments: CONTAINER ANALYSIS No.: Code: Size: Pres! ! VOA 112 120z 1 132oz 1 : ENA EP TOX METALS 132oz 1 CHAIN OF CUSTEDY CHRONICLE logatich, char loreceived the saxole shipping perbainer with the anipping container sealed and intact. Ins ad by (print): BENT GALDENOUN Signatures Data: 6-21-89 Time: 2:30 P Seal #: 506 F Intact?: 0/ 1. Chan the sabile lasted above was collected and guaración concles in thickesence, than each pobble was placed inhach in the a amboding compainsh and that I sealed the sample studing contained at the case and time listed delow. 1 11 1 19 12 100) RENT GALDENOVA BLEEFE THE Table 6-22-89 Time: 1130 Seal #: 5068 Courier - sampli I certify that I received that each bottle in the and it the custody of competent and Date: 6/23/89 Lab Name:

CHAIN OF CUSTODY Date Sealed: 6/13/89 By: AWW Facility Name (LENNON WALLPAPER) Site Inventory # : 1970455001 Tablem:NORTHERN Site Billing Code: LP-52547 untv:WILL. Project Manager : DENNIS NEWMAN SAMPLE DATE SAMPLE I.D. LABORATORY SAMPLE TIME 89066259-003-004 F102 6-27-81 1:10 Sample Acceanance | SLUDGE Collector Comments:___ Sampler Signature: 100 Williamson vision/Company HAZTECH ANALYSIS CONTAINER No. | Code: Size: Pres! **BNA** 132oz 1 IEP TOX METALS 132oz | 12 7071 CHAIN OF CUSTODY CHRONICLE I parquir pres I received the sautile shapping container with the entocing container sealed and intain Tiened by (crint): Kenr GANDENOUN Signature: Data: 6-21-89 Time: 2!30p Seal #: 5067 Intact?: \bigcirc / % l revill, that the sample listed above was collected and tlaced in potiles in my presence lined each pottle was placed intact in the sample argoning commander and that I sealed the sample shipping container at the case and time listed below Essiss by (print) (KENT GARDENOVA SIGNATURE) Date: 6722-89 Time: 1:30 Seal #: 5669 Counier - sample pickup: <u>HANO De</u>L Courier - sample that each bottle in the call the custody of competention Date: 6/23/89 Lab Name

TERA - CLR

Seal #: 5067

Seal # 5065 1254 - CLA Chain of Cust**coy** Date Sealed: C/13/89 By AWW Facility Name : LENNON WALLPAPER Site Inventory # : 1970455001 Recion:NORTHERN Site Billing Code: LF-52547 untv:WILL Project Manager : DENNIS NEWMAN : ABORATORY # SAMPLE TIME SAMPLE I D SAMPLE DATE 89066259-005-006 6-22-89 F-201 2:15 PM Sample Appearance Callernar Comments: Sample: Signature : Kon Williamson Division/Company Haztech CONTAINER No.: Code: Size: Pres! ABV 112 (2oz 1 132oz 📜 **BNA** EP TOX METALS 132oz 1 _CHAIN OF CUSTODY CHRONICLE I cancely than I received the magnie shapping compainer with the antipolog compainer sealed and ancast. Spanes by (print): KENT GALDENOUL Signature: Tato 6-21-89 Time: 21501. Beal #: 5065 l lentin, that the earth listed above was colletted and blaced in optitles in av presence, that eath obtile was blaced incato . The se que enjoquno comisimen eno that I sealed the seable shipping combained at the cate and tipe lister below. Sealed by (print): KENT GALDENOUSIGNAL Tate: 6-22-89 Time: 4/15 P Seal #: 5366 Courser - sample pickup: Hand Decl i certify that d haten that each bottle the custody of ton Lab Name

Seal #: <u>5065</u> IEFA - CLP CHAIN OF CUSTORY Date Sealed: 6/13/89 By: AWW Facility Name : LENNON WALLPAPER Site Inventory # :1970455001 Site Billing Code: LP-52547 Tagion: NORTHERN Project Manager : DENNIS NEWMAN unty:WILL: SAMPLE I.D. SAMPLE DATE BAMPLE TITL LABURATOR 3:30 PM 89066259-007-008 F301 6-22-89 Semple Appearance : Nucri- Come Soul Collector Comments:____ Sample: Signature : Lan Williamson Division/Company HAZTECH CONTAINER ANALYSIS No.: Code: Size: Pres! VOA 12oz | ! SNA 132oz | IEP TOX METALS 132oz 1 CHAIN OF CUSTODY CHRONICLE] parpulations I received the sample according contained with the encoding compacter sealed and intact. Steres by (print): KENT GARDENOUR Signature Ista: 6-21-89 Time: 2/50 P Seal #: 5065 mentify that the eactia liabed acove was collected and blaced in bobbles in by presence, that each covile was claded intact in the es que siggrino commenter and chan i sestes the saugle shipping container at the date and tree listed celow. issles by (print): KENT GALDENOUSignate Date: 6-22-89 Time: 4:15P Seal #: 5066 Courser - sample pickup: HAND DEC. that each bottle to the Date: 6 23/2 Lab Name

Seal #: 5067 IEFA - CLF CHAIN OF CUSTODY Date Sealed: 6/3/89 By: Aww Facility Name : LENNON WALLPAPER Site Inventory # :1970455001 Tagion: NORTHERN Site Billing Code:LP-52547 unty:WILL. Project Manager : DENNIS NEWMAN SAMPLE I.D. SAMPLE DATE SAMPLE TIME LABURATURY 6-22-89 10:30 Am 89066259-009-010 4101 Sample Accearance : SANO Collector Comments: Sample: Signature : // // // // Division/Company H#77FCH CONTAINER ANALYSIS No.: Code: Size: Prest 12oz 1 VOA 112 **BNA** 132oz | 132oz | IEP TOX METALS CHAIN OF CUSTODY CHRONICLE I carroft than I hadaiyad the sample anipping combainan with the anipping containan sealed and invadi. IDENAT D. (Colot): KENT GARDENOUR Signatures 79 Tate 6-21-69 Time: 2:30 P Seal #: 5067 l parcois tractora sancia lestad above was collected and placad in bobbles on by presence, that each pooble was clacad uncach in the eacole entocumo contechen est that I sealed the sample estipologicontaines at the case end tice listed below: Bester of (print): HENT GALDEROUN Bigner Data. 6-22-87 Time: 1:30 P Seal #: 5068 Courier - sample pickup: HAWA DECI Courier - samp i certify that A particular that each bothle the custody of te ened by Corse Date: 6/23/89

ACCEPTED TO THE STATE OF THE ST	Seal #: 5067
	Date Sealed: 6/13/69_ By: Aww
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9066259-016012	L102 1012-89 10145A
AO . Teorge energy elongs	6.4216_Sa16
Collector Comments:	——————————————————————————————————————
Sampler Signature : for	WWW. Division/Corpany_HARTECH
CONTAINER	ANALYSIS
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Besterna Contracto / Ken	T Laperdour The
Jete: 6.22-45 Time:	1. 1.30 p. See: 6: 5068
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Courier - sample Courier	
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Date: 0/23189	Althornal Solder Ward
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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

July 17, 1989 LeMan Wallpaper 5, t. tuh reports,

Ms. Susan Doubet Illinois EPA 2200 Churchill Road Springfield, IL 62706

Dear Ms. Doubet:

Please find enclosed the analytical reports for the samples submitted to Weston/Gulf Coast Laboratories for analyses. were identified as follows:

Project: Lennon Wallpaper

			SAMPLE	DATE
CLIENT	ID	LAB ID#	$\ \ DATE$	RECEIVED
F101		8906G259-001	06/22/89	06/23/89
F101 EP	TOX	8906G259-002	06/22/89	06/23/89
F102		8906G259-003	06/22/89	06/23/89
F102 EP	TOX	8906G259-004	06/22/89	06/23/89
F201		8906G259-005	06/22/89	06/23/89
F201 EP	TOX	8906G259-006	06/22/89	06/23/89
F301		8906G259-007	06/22/89	06/23/89
F301 EP	TOX	8906G259-008	06/22/89	06/23/89
L101		8906G259-009	06/22/89	06/23/89
L101 EP	TOX	8906G259-010	06/22/89	06/23/89
L102		8906G259-011	06/22/89	06/23/89
L102 EP	TOX	8906G259-012	06/22/89	06/23/89
L201		8906G259-013	06/22/89	06/23/89
L201 EP	TOX	8906G259-014	06/22/89	06/23/89

If you have any questions, please contact Sheryl Johnson or Lynn Gifford at our laboratories.

Sincerely,

WESTON/GULF COAST LABORATORIES

John Boudreau

Raymond Frederici QA/QC Director

William C. Preston Project Manager

Laboratory Manager

Metals Únit Leader

Jef A. Kaczinski

GC/MS Unit Leader

RECEIVED

Enclosures

AUG 7 1989

IEPA-DLPC



2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

INORGANIC QUALIFIERS

- u Indicates compound was analyzed for but not detected
- X Result is by calculation
- d Result is on a dry weight basis.
- E Severe matrix interference.
- M Duplicate injection precision not met.
- N Spike recovery not within control limit.
- S Indicates value determined by Method of Standard Addition.
- A Result is on an "as is basis" (wet weight)
- W Post analytical spike is out of control limits.
- B Reported value is less than the CRDL but greater than IDL.
- * Duplicate not within control limits.
- + Correlation coefficient for MSA < 0.995.

ORGANIC QUALIFIERS

- U Indicates that the compound was analyzed for but not detected.
- J Indicates an estimated value for either a TIC or an analyte that meets the identification criteria but the result is less than the specified detection limit.
- B Indicates the compound was found in the blank and the sample.
- E Concentrations exceed calibration range of the instrument.
- BS Indicates matrix analyses were conducted on reagent grade water.
- BSD Indicates blank spike duplicate.
- BDL Below Detection Limit.
- MS Indicates matrix spike.
- MSD Indicates matrix spike duplicate.
- D Indicates that surrogate/matrix spike recoveries were not obtained because the extract had to be diluted for analysis.
- DL Indicates a secondary dilution.
- NA Not applicable.
- DF Dilution factor.

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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Thursday June 29th, 1989

RE: Lennon F101

Project # 1104-09-01-0000

Lab ID: 8906G259-001 Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

Parameters		Result	Units	Reporting Limit	
 % Solids		80.6	%	0.10	
•		•			
		-	•		
		·			
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Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F101

Project # 1104-09-01-0000 Lab ID: 8906G259-001 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	
Chloromethane	BDL	12	U	
Bromomethane	BDL	12	U	
Vinyl Chloride	BDL	12	U	
Chloroethane	BDL	12	U	
Methylene Chloride	30	6		
Acetone	BDL	12	U	
Carbon Disulfide	11	6		
1,1-Dichloroethene	BDL	6	U	
1,1-Dichloroethane	BDL	6	U	
1,2-Dichloroethene (total)	BDL	6	U	
Chloroform	BDL	6	U	
1,2-Dichloroethane	16	6		
2-Butanone	BDL	12	U	
1,1,1-Trichloroethane	BDL	6	U	
Carbon Tetrachloride	BDL	6	U	
Vinyl Acetate	BDL	12	U	
Bromodichloromethane	BDL	6	υ	



Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: **8906G259-007** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	
Chloromethane	BDL	16	U	
Bromomethane	BDL	16	U	
Vinyl Chloride	BDL	16	U	
Chloroethane	BDL	16	U	
Methylene Chloride	BDL	8	υ	
Acetone	33	16		
Carbon Disulfide	11	8		
1,1-Dichloroethene	BDL	8	U	
1,1-Dichloroethane	BDL	8	U	
1,2-Dichloroethene (total)	BDL	8	U	
Chloroform	BDL	8	U	
1,2-Dichloroethane	19	8		. 1847
2-But arione	BDL	16	U	
1,1,1-Trichloroethane	BDL	8	U	
Carbon Tetrachloride	BDL	8	U	
. Vinyl Acetate	BDL	16	U	
Bromodichloromethane	BDL	8	U	



Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: **8906G259-007** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	,
1,2-Dichloropropane	BDL	8	U	
cis-1,3-Dichloropropene	BDL	8	U	
Trichloroethene	BDL	8	U	
Dibromochloromethane	BDL	8 .	U	
1,1,2-Trichloroethane	BDL	8	U	
Benzene	BDL	8	U	
Trans-1,3-Dichloropropene	BDL	8	U	
Bromoform	BDL	8	U	
4-Methyl-2-pentanone	BDL	16	U	
2-Hexanone	BDL	16	U	
Tetrachloroethene	BDL	. 8	U	
1,1,2,2-Tetrachloroethane	BDL	8	U	
Toluene	BDL	8	U	
Chlorobenzene	BDL	8	U	
Ethylbenzene	BDL	8	U	
Styrene	BDL	8	U	
Xylene (total)	BDL	8	U	



2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: 8906G259-007 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	Flag	
Phenol	BDL	540	. U	
bis(2-Chloroethyl)ether	BDL	540	U	
2-Chlorophenol	BDL	540	U	
1,3-Dichlorobenzene	BDL	540	U	
1,4-Dichlorobenzene	BDL	540	U	
Benzyl alcohol	BDL	540	U	
1,2-Dichlorobenzene	BDL	540	U	
2-Methylphenol	BDL	540	U	
bis(2-Chloroisopropyl)ether	BDL	540	U	
4-Methylphenol	BDL	540	U	
N-Nitroso-Di-n-propylamine	BDL	540	U	
Hexachloroethane	BDL	540	U	
Nitro ben zene	BDL	540	Ü	
Isophorone	BDL	540	U	
2-Nitrophenol	BDL	540	U	
2,4-Dimethylphenol	BDL	540	U	
Benzoic acid	BDL	2700	U	



Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: 8906G259-007 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

bis(2-Chloroethoxy)methane BDL 540 U 2,4-Dichlorophenol BDL 540 U U U U U U U U U	Semivolatile Compound	Result	Detection Limit	ı Flag		
1,2,4-Trichlorobenzene	bis(2-Chloroethoxy)methane	BDL	540	υ		
Naphthalene BDL 540 U 4-Chloroaniline 650 540 Hexachlorobutadiene BDL 540 U 4-Chloro-3-methylphenol BDL 540 U 2-Methylnaphthalene BDL 540 U Hexachlorocyclopentadiene BDL 540 U 2,4,6-Trichlorophenol BDL 540 U 2,4,5-Trichlorophenol BDL 2700 U 2-Chloronaphthalene BDL 540 U 2-Nitroaniline BDL 2700 U Dimethylphthalate BDL 540 U Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	2,4-Dichlorophenol	BDL	540	U		
4-Chloroaniline 650 540 Hexachlorobutadiene BDL 540 U 4-Chloro-3-methylphenol BDL 540 U 2-Methylnaphthalene BDL 540 U Hexachlorocyclopentadiene BDL 540 U 2,4,6-Trichlorophenol BDL 540 U 2,4,5-Trichlorophenol BDL 2700 U 2-Chloronaphthalene BDL 540 U 2-Nitroaniline BDL 2700 U Dimethylphthalate BDL 540 U Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	1,2,4-Trichlorobenzene	BDL	540	U	:	
Hexachlorobutadiene	Naphthalene Naphthalene	BDL	540	U		
4-Chloro-3-methylphenol BDL 540 U 2-Methylnaphthalene BDL 540 U Hexachlorocyclopentadiene BDL 540 U 2,4,6-Trichlorophenol BDL 540 U 2,4,5-Trichlorophenol BDL 2700 U 2-Chloronaphthalene BDL 540 U 2-Nitroaniline BDL 2700 U Dimethylphthalate BDL 540 U Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	4-Chloroaniline	650	540			•
2-Methylnaphthalene BDL 540 U Hexachlorocyclopentadiene BDL 540 U 2,4,6-Trichlorophenol BDL 540 U 2,4,5-Trichlorophenol BDL 2700 U 2-Chloronaphthalene BDL 540 U 2-Nitroaniline BDL 2700 U Dimethylphthalate BDL 540 U Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	Hexachlorobutadiene	BDL	540	υ		
Hexachlorocyclopentadiene BDL 540 U 2,4,6-Trichlorophenol BDL 540 U 2,4,5-Trichlorophenol BDL 2700 U 2-Chloronaphthalene BDL 540 U 2-Nitroaniline BDL 2700 U Dimethylphthalate BDL 540 U Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	4-Chloro-3-methylphenol	BDL	540	U		
2,4,6-Trichlorophenol BDL 540 U 2,4,5-Trichlorophenol BDL 2700 U 2-Chloronaphthalene BDL 540 U 2-Nitroaniline BDL 2700 U Dimethylphthalate BDL 540 U Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	2-Methylnaphthalene	BDL	540	U		
2,4,5-Trichlorophenol BDL 2700 U 2-Chloronaphthalene BDL 540 U 2-Nitroaniline BDL 2700 U Dimethylphthalate BDL 540 U Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	Hexachlorocyclopentadiene	BDL	540	U		
2-Chloronaphthalene BDL 540 U 2-Nitroaniline BDL 2700 U Dimethylphthalate BDL 540 U Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	2,4,6-Trichlorophenol	BDL	540	U		
2-NitroanilineBDL2700UDimethylphthalateBDL540UAcenaphthyleneBDL540U2,6-DinitrotolueneBDL540U	2,4,5-Trichlorophenol	BDL	2700	U		
Dimethylphthalate BDL 540 U Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	2-Chloronaphthalene	BDL	540	U		
Acenaphthylene BDL 540 U 2,6-Dinitrotoluene BDL 540 U	2-Nitroaniline	BDL	2700	υ		
2,6-Dinitrotoluene BDL 540 U	Dimethylphthalate	BDL	540	U		
	Acenaphthylene	BDL	540	U		
	2,6-Dinitrotoluene	BDL	540	U		
3-Nitroaniline BDL 2700 U	3-Nitroaniline	BDL	2700	U		



Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: 8906G259-007 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Comiuslatile Company	D 14	Detection		
Semivolatile Compound	Result	Limit	Flag	
Acenaphthene	BDL	540	U	
2,4-Dinitrophenol	BDL	2700	U	,
4-Nitrophenol	BDL	2700	U	į
Dibenzofuran	BDL	540	U	
2,4-Dinitrotoluene	BDL	540	U	
Diethylphthalate	BDL	540	U	
4-Chlorophenyl-phenylether	BDL	540	U	
Fluorene	BDL	540	U	
4-Nitroaniline	BDL	2700	υ	
4,6-Dinitro-2-methylphenol	BDL	2700	U	
N-Nitrosodiphenylamine (1)	BDL	540	U	
4-Bromophenyl-phenylether	BDL	540	U	
Hexachlorobenzene	BDL	540	U	
Pentachlorophenol	E	2700		
Phenanthrene	BDL	540	U	
Anthracene	BDL	540	U	
Di-n-Butylphthalate	BDL	540	U	



2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: 8906G259-007 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Detection Result Limit Flag				
					
· · · · · · · · · · · · · · · · · · ·					
					
3,3'-Dichlorobenzidine			U	<u> </u>	
Benzo(a)anthracene	BDL	540	U		
Chrysene	BDL	540	U		
bis(2-Ethylhexyl)phthalate	170	540	J		
Di-n-Octyl phthalate	BDL	540	U		
Benzo(b)fluoranthene	BDL	540	U		
Benzo(k)fluoranthene	BDL	540	U		
Benzo(a)pyrene	BDL	540	U		
Indeno(1,2,3-cd)pyrene	BDL	540	U		
Dibenzo(a,h)anthracene	BDL	540	U		
Benzo(g,h,i)perylene	BDL	540	U		
	Benzo(a)anthracene Chrysene bis(2-Ethylhexyl)phthalate Di-n-Octyl phthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	Fluoranthene BDL Pyrene BDL Butylbenzylphthalate BDL 3,3'-Dichlorobenzidine BDL Benzo(a)anthracene BDL Chrysene BDL bis(2-Ethylhexyl)phthalate 170 Di-n-Octyl phthalate BDL Benzo(b)fluoranthene BDL Benzo(k)fluoranthene BDL Benzo(a)pyrene BDL Indeno(1,2,3-cd)pyrene BDL Dibenzo(a,h)anthracene BDL	Semivolatile Compound Result Limit Fluoranthene BDL 540 Pyrene BDL 540 Butylbenzylphthalate BDL 540 3,3'-Dichlorobenzidine BDL 540 Chrysene BDL 540 Di-n-Octyl phthalate BDL 540 Benzo(b)fluoranthene BDL 540 Benzo(k)fluoranthene BDL 540 Benzo(a)pyrene BDL 540 Boll 540 Benzo(a)pyrene BDL 540 Boll 540	Fluoranthene BDL 540 U Pyrene BDL 540 U Butylbenzylphthalate BDL 540 U Benzo(a) anthracene BDL 540 U Chrysene BDL 540 U Chrysene BDL 540 U Di-n-Octyl phthalate BDL 540 U Benzo(b) fluoranthene BDL 540 U Benzo(a) pyrene BDL 540 U Bis(2-Ethylhexyl) phthalate BDL 540 U Benzo(b) fluoranthene BDL 540 U Benzo(a) pyrene BDL 540 U Indeno(1,2,3-cd) pyrene BDL 540 U Dibenzo(a,h) anthracene BDL 540 U	Semivolatile Compound Result Limit Flag Fluoranthene BDL 540 U Pyrene BDL 540 U Butylbenzylphthalate BDL 540 U 3,3'-Dichlorobenzidine BDL 540 U Benzo(a)anthracene BDL 540 U Chrysene BDL 540 U bis(2-Ethylhexyl)phthalate 170 540 J Di-n-Octyl phthalate BDL 540 U Benzo(b)fluoranthene BDL 540 U Benzo(k)fluoranthene BDL 540 U Benzo(a)pyrene BDL 540 U Dibenzo(a,h)anthracene BDL 540 U Dibenzo(a,h)anthracene BDL 540 U



WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: 8906G259-007 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

-	20 Semivolatile Compounds greater than 10% of the nearest
	internal standard were tentatively identified by mass
	spectral library search. This is exclusive of any target
	compounds, surrogates or internal standards.

		Retention	Estimated .
	Semivolatile Compound	Time	Concentration
	Unknown ⁶	4.94	3000 JA
	ISOCYANATO-METHYL-BENZENE	10.65	2000 J
	DICHLOROBENZENAMINE	16.07	2000 J
	Unknown	21.00	900 J
	UNKNOWN HYDROCARBON	29.41	1000 J
	UNKNOWN HYDROCARBON	30.49	2000 J
	UNKNOWN HYDROCARBON	31.51	2000 J
	UNKNOWN HYDROCARBON	32.51	3000 J
 	UNKNOWN HYDROCARBON	33.45	3000 J
	Unknown	34.23	1000 J



Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: 8906G259-007

Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

		Retention	Estimated	
	Semivolatile Compound	Time	Concentration	n
	UNKNOWN HYDROCARBON	34.39	2000	J :
	UNKNOWN HYDROCARBON	35.39	2000	J
<u> </u>	UNKNOWN HYDROCARBON	36.54	2000	J
	UNKNOWN HYDROCARBON	37.87	4000	J
	Unknown	39.11	2000	J
	OCTACHLORO-DIBENZO-DIOXIN	39.32	1000	J
	UNKNOWN HYDROCARBON	39.46	1000	J .
	Unknown	41.09	900	J
	UNKNOWN HYDROCARBON	41.36	900	J
	UNKNOWN HYDROCARBON	43.68	800	J
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Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon F301

Project # 1104-09-01-0000 Lab ID: 8906G259-007 DL Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

	Comband 1911 0		Detection				
	Semivolatile C	ompound	Result	Limit	Flag		
Pent	achlorophenol		11000	5400			ኅ
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WESTON-GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Friday July 14th, 1989

RE: Lennon F301 EPT0X

Project # 1104-09-01-0000 Lab ID: **8906G259-008** Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

Р	arameters	Result	Units_	Reporting Limit
S	ilver, EP Leachate	0.020 u	mg/L	0.020
Α	rsenic, EP Leachate	0.0020 и	mg/L	0.0020
В	arium, EP Leachate	1.0	mg/L	1.0
C	admium, EP Leachate	0.10	mg/L	0.010
<u>.</u>	hromium, EP Leachate	0.020 u	mg/L	0.020
M	ercury, EP Leachate	0.0020 u	mg/L	0.0020
L	ead, EP Leachate	0.15	mg/L	0.050
S	elenium, EP Leachate	0.0021	mg/L	0.0020
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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Thursday June 29th, 1989

RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: 8906G259-009 Sample Date: 06/22/89 Date Received: 06/23/89

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
% Solids	61.1	%	0.10
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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: **8906G259-009** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	Flag	
Chloromethane	BDL	. 16	U	
Bromomethane	BDL	16	U	
Vinyl Chloride	BDL	16	U	
Chloroethane	BDL	16	U	
Methylene Chloride	18	8	В	
Acetone	22	16	В	
Carbon Disulfide	BDL	8	U	
1,1-Dichloroethene	BDL	8	U	
1,1-Dichloroethane	BDL	8	U	
1,2-Dichloroethene (total)	BDL	8	U	
Chloroform	BDL	8	U	
1,2-Dichloroethane	6	8	J	
2-Butanone	BDL	16	U	
1,1,1-Trichloroethane	BDL	8	U	
Carbon Tetrachloride	BDL	8	U	
Vinyl Acetate	BDL	16	U	
Bromodichloromethane	BDL	8	U	



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: **8906G259-009** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Volatile Compound	Result	Detection Limit	n Flag	
1,2-Dichloropropane	BDL	8	U	
cis-1,3-Dichloropropene	BDL	8	U	
Trichloroethene	BDL	8	U	
Dibromochloromethane	BDL	8	U	
1,1,2-Trichloroethane	BDL	8	U	
Benzene	BDL	8	U	
Trans-1,3-Dichloropropene	BDL	8	U .	
Bromoform	BDL	8	.U	
4-Methyl-2-pentanone	BDL	16	U	
2-Hexanone	BDL	16	U	11
Tetrachloroethene	BDL	8	U	
1,1,2,2-Tetrachloroethane	BDL	8	U	
Toluene	BDL	8	U	
Chlorobenzene	BDL	8	U	
Ethylbenzene	BDL	8	U	
Styrene	BDL	8	U	
Xylene (total)	BDL	8	U	
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2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Monday July 17th, 1989

RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: **8906G259-009** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds	
No Volatile Compounds greater than 10% of the nearest	
internal standard were tentatively identified by mass	
spectral library search. This is exclusive of any target	
compounds, surrogates or internal standards.	
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Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: 8906G259-009 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detectior Limit	n Flag		
Phenol	BDL	5400	U.		
bis(2-Chloroethy-1)ether	BDL	5400	U		
 2-Chlorophenol	BDL	5400	U		
 1,3-Dichlorobenzene	BDL	5400	U		
1,4-Dichlorobenzene	12000	5400			
Benzyl alcohol	BDL	5400	U		
1,2-Dichlorobenzene	BDL	5400	U		
 2-Methylphenol	BDL	5400	υ		
 bis(2-Chloroisopropyl)ether	BDL	5400	U		
4-Methylphenol	BDL	5400	U		
N-Nitroso-Di-n-propylamine	BDL	5400	U		
Hexachloroethane	BDL	5400	U		
Ni trob en zene	BDL	5400	U		
Isophorone	BDL	5400	U		
2-Nitrophenol	BDL	5400	U		
 2,4-Dimethylphenol	BDL	5400	U		
 Benzoic acid	BDL	27000	U	1	



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: 8906G259-009 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

•				
Semivolatile Compound	Result	Detection Limit	ı. Flag	
bis(2-Chloroethoxy)methane	BDL	5400	U	
2,4-Dichlorophenol	BDL	5400	U	
1,2,4-Trichlorobenzene	BDL	5400	U	:
Naphthalene	BDL	5400	U	
4-Chloroaniline	7600	5400		
Hexachlorobutadiene	BDL	5400	U	
4-Chloro-3-methylphenol	BDL	5400	U	
2-Methylnaphthalene	BDL	5400	U	
Hexachlorocyclopentadiene	BDL	5400	U	
2,4,6-Trichlorophenol	BDL	5400	U	
2,4,5-Trichlorophenol	BDL	27000	U	
2-Chloronaphthalene	BDL	5400	U	
2-Nitroaniline	BDL	27000	U	
Dimethylphthalate	BDL	5400	U	
Acenaphthylene	BDL	5400	U	
2,6-Dinitrotoluene	BDL	5400	U.	
3-Nitroaniline	BDL	27000	U	
				



2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: 8906G259-009 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	Flag	
Acenaphthene	BDL	5400	U	
2,4-Dinitrophenol	BDL	27000	U	
4-Nitrophenol	BDL	27000	U	; ;
Dibenzofuran	BDL	5400	U	
2,4-Dinitrotoluene	BDL	5400	U	
Diethylphthalate	BDL	5400	U	
4-Chlorophenyl-phenylether	BDL	5400	U	
Fluorene	BDL	5400	U	
4-Nitroaniline	BDL	27000	U	
4,6-Dinitro-2-methylphenol	BDL	27000	U	
N-Nitrosodiphenylamine (1)	BDL	5400	U	
4-Bromophenyl-phenylether	BDL	5400	U	
Hexach l'orobenzene	BDL	5400	U	
Pentachlorophenol	2100	27000		
Phenanthrene	BDL	5400	U	
Anthracene	BDL	5400	U	
Di-n-Butylphthalate	BDL	5400	U	



 $\label{thm:coast_laboratories} \textbf{WESTON-GULF} \ \textbf{COAST} \ \textbf{LABORATORIES}, \ \textbf{INC}.$

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: 8906G259-009 Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Semivolatile Compound	Result	Detection Limit	n Flag	
Fluoranthene	BDL	5400	U	
Pyrene	BDL	5400	U	
Butylbenzylphthalate	BDL	5400	U	
3,3'-Dichlorobenzidine	BDL	11000	U	
Benzo(a)anthracene	BDL	5400	U	
Chrysene	BDL	5400	U	
bis(2-Ethylhexyl)phthalate	BDL	5400	U	
Di-n-Octyl phthalate	BDL	5400	U	
Benzo(b)fluoranthene	BDL	5400	U	
Benzo(k)fluoranthene	BDL	5400	U	
Benzo(a)pyrene	BDL	5400	U	
Indeno(1,2,3-cd)pyrene	BDL	5400	U	
Dibenzo(a,h)anthracene	BDL	5400	U	
Benzo(g,h,i)perylene	BDL	5400	U	



2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Illinois EPA

2200 Churchill Road Springfield, IL 62706

Attn: Mrs. Susan Doubet

Date: Tuesday July 11th, 1989

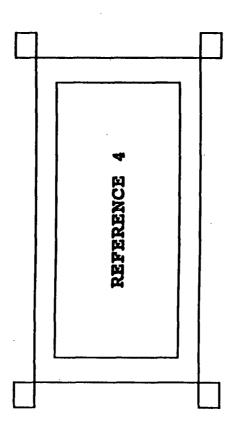
RE: Lennon L101

Project # 1104-09-01-0000 Lab ID: **8906G259-009** Sample Date: 06/22/89 Date Received: 06/23/89

Units: UG/KG

Tentatively Identified Compounds

	·		
20 Semivolatile Compounds grea	ter than 10% of t	he nearest	
internal standard were tentati	vely identified b	y mass	
spectral library search. This	is exclusive of	any target	9 6 8
compounds, surrogates or inter	nal standards.		
	Retention	Estimated	
Semivolatile Compound	Time	Concentration	<u> </u>
Unknown	4.89	5000	JA
 CHLOROBENZENE	5.03	9000	J
UNKNOWN C6H5N3 OR C7H5NO	7.97	6000	J
ISOCYANATO-METHYL-BENZENE	10.61	100000	J
METHYL BENZENAMINE	10.79	60000	J
 CHLOROANILINE	12.01	30000	J
CHLORO-ISOCYANATO-BENZENE	12.20	40000	J
CHLORO-NITRO-BENZENE	14.06	7000	J
 DICHLOROBENZENAMINE	16.01	4000	J
 Unknown	18.87	5000	J



White Copy —
III. Dept. of Fublic Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

WELL CONSTRUCTION REPORT	10. Property owner View Lines Lumber Well	No. 680
1. Type of Well	Address The Lines Col	10 0 (/ 3
a. Dug Bored Hole Diam. 5 in. Depth // 5 it.	Driller License No. 11. Permit No. 26.775 Date //-	
Curb material Buried Slab: YesNo b. Driven Drive Pipe Diam5 in. Depth _70_ft.		
c. Drilled Finished in Drift In Rock	12. Water from Internation 13. County 6	
Tubular Gravel Packed	at depth <u>70</u> to <u>//5</u> ft. Sec. <u>/</u> 4	
d. Grout:	14. Screen: Diamin. Twp. <u>357</u>	
(KIND) FROM (Ft.) TO (Ft.)	Length:ft. Slot Rge/_	1 1 1 1
	Elev 15. Casing and Liner Pipe	
	Diam. (in.) Kind and Weight From (Ft.) To (Ft.)	SHOW
		LOCATION IN
2. Distance to Nearest:	5 Blick 15th 0 70	Letal Block
Building Ft. Seepage Tile Field Ft.		
Cess Pool Sewer (non Cast iron)		_ fulkris Subsl. 5
Privy Sewer (Cast iron)	16. Size Hole below casing:in.	
Septic Tank 50 Barnyard	17. Static levelft. below casing top which is_	
Leaching Pit Manure Pile	above ground level. Pumping levelft. when	pumping at
3. Is water from this well to be used for human consumption?	gpm for hours.	
Yes No	18. FORMATIONS PASSED THROUGH TH	ICKNESS DEPTH OF BOTTOM
	00 . 11 . 1	
5. Permanent Pump Installed? Yes No No Manufacturer / 12 Attack Type Sulm	Clay F Man	0 70
Capacity / C gpm. Depth of setting 70 ft.		
6. Well Top Sealed? Yes No	Limenton	70 /15
7. Pitless Adaptor Installed? Yes No No		
8. Well Disinfected? Yes No		
-		
9. Water Sample Submitted? YesNo	·	
REMARKS:		
ALMAINO.		
4		
	(CONTINUE ON SEPARATE SHEET IF NECESSARY)	
IDPH 4,065	ATT CEL	
10-72	SIGNED DATE	4-2-14
KNB-1		/

White Copy —
III. Dept. of Pt Health
Yellow Copy — The Lontractor
Blue Copy — Well Cwiner

FILL IN ALL PERTINENT INFORMATION REQUES AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, S....E OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	•	•				
1.	Type of Well a. Dug Bored Curb material b. Driven Driv c. Drilled Fini Tubular Grav d. Grout:	Buried e Pipe Dic shed in Dr vel Packed	Slab: Y m ift	es _in. De In I	No	
2.	Distance to Nearest: Building & Coss Pool Privy Septic Tank Leaching Pit	Sewe Sewe Barn	er (non C er (Cast yard	ast iron iron)	40	
4.	Is water from this well to Yes No Date well completed //	be used fo $\sqrt{3/2}$	r human	consump	otion?	
5.	Permanent Pump Installed Manufacturer	?' Yes Depth of	Type_ setting_	12-6	1	ft.
7. 8.	Well Top Sealed? Yes_ Pitless Adaptor Installed? Well Disinfected? Yes	Yes	No_	_ No		
	Water Sample Submitted? MARKS:	Yes		No <i>!</i>		
	PH 4.065 1/68				· •	

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10	Property owner Jack O. Hara	r AT W	In II No	
10.	Address 42/ One Protes ST	7.7	/ /4- 	
	Driller Fort & San S			(2/2
11	Permit No. 16 7.3.3	Date ///	3/2/	······································
12.	Water from Nescon	13. County	Will	•
		_	14	
	at depth Mer to 1802 ft.	_		
14.	Screen: Diamin.		354	
	Length:fi. Slot		ICE	
15	Casing and Liner Pipe	Elev		
			' <u></u>	SLOT .
		From (Ft.) To		SHOW CATION IN
1.5	H-53 14,81 RB	0 4		tion plat + 11 aacteis
1	ŀ			2, Elmhur
			20.	
16	Size Hole below casing:i			SE
17	Static level \$3 st. below casing	ton which	ie /	ft.
• / ·	above ground level. Pumping level	70 (t. w	hen numnin	101/5
	gpm for 3 hours.		men pumping	, die
			,	
18.	FORMATIONS PASSED THROUGH		THICKNESS	DEPTH OF BOTTOM
B	LALK DIRT		.3	3
	5.1. VO al Lo. 12-X		17	20
13	LUE LLAY		15	3.5
6	BAVEL		5	1100
	r ik		140	1,20
ن.و.م				
				· · · · · ·
			1	
			[
			 	
(0)	ONTINUE ON SEPARATE SHEET IF NE	CESSARY)		
	4 -10			/_ ,
SIG	NED Jerry Thack	DAT	E <u>///3/</u>	2/_
	15			

White Copy — (III. Dept. of uplic Health Yellow Copy — Well Contractor Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION RECESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well			100
	a. Dug	Bored H	ole Diam. <u> </u>	i. Depth/90 ft.
	Curb materi	al B	uried Slab: Yes_	No
	b. Driven	Drive Pi	e Diam. 5_in	. Depth 70 ft.
			in Drift	
		Gravel P	acked	ı
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)
		 		
		L	.1	
2.	Distance to Ne	arest:		·
	Building	2/Ft. '	Seepage Tile Fi	eld <u>75</u>
	Cess Pool		Sewer (non Cast	iron)
	Privv		Sewer (Cast iror	1]
	Septic Tank	50	Barnyard	
	Leaching Pit		Manure Pile	
ર			sed for human con	
				-
A	Date well com	lated /	2-4-72	
э.	Permanent Pun	ip instailed?	YesType	lutm.
	Manufacturer C	7)	1 ype	90
_			oth of setting	
6.	Well Top Seale	d? Yes	No	
			YesN	
8.	Well Disinfecte	d? Yes	No	
9.	Water Sample S	ubmitted? Ye	es1	yo.
٠.	nator bumpre b	abiiiittea.	· · · · · · · · · · · · · · · · · · ·	···
RFI	MARKS:			
•••	anins,			
IDI	PH 4.065			
	-72			
KN	3-1			

h_{i} .				
10. Property owner Service	,	Well No	. =	6/
Address Orlist				
Driller Attribus	Licens	e No.	72-	92
11. Permit No. 2995/	Date	11-14	7-72	
	13. Cour			
Formation		111	-	
at depth O to 40 ft.	Sec.) 	
14. Screen: Diamin.		. <u>35 /</u>		
Length:ft. Slot	-		•	
15. Casing and Liner Pipe	Elev	/		
Dism. (in.) Kind and Weight	From (Ft.)	To (Ft.)	, ,	SHOW CATION IN
5 Black 15#	5 3	50		TION PLAT
J 1244411			hot	2
			Eln	churst ac
L			S	\
16. Size Hole below casing:				
17. Static levelft. below casis				
above ground level. Pumping leve	el ft.	when pu	mping	, at
gpm for hours.				
·				
18. FORMATIONS PASSED THROUGH	н	ТНІСК	NESS	DEPTH OF BOTTOM
	SH .	ТНІСК	NESS	DEPTH OF BOTTOM
	SH .	ТНІСК	NESS	DEPTH OF BOTTOM
	iH .	ТНІСК)	DEPTH OF BOTTOM
	н	THICK	NESS	DEPTH OF BOTTOM 40
	н	ТНІСК	NESS	DEPTH OF BOTTOM
	ЭН	THICK	ENESS	DEPTH OF BOTTOM
	H .	THICK	NESS	DEPTH OF BOTTOM /O
	н	ТНІСК	(U	DEPTH OF BOTTOM 40
	SH .	THICK	NESS	DEPTH OF BOTTOM /O
	Н	THICK	(U	DEPTH OF BOTTOM
	SH .	THICK	O	DEPTH OF BOTTOM /O
	Н	THICK	(U	DEPTH OF BOTTOM 40
	SH .	THICK	NESS (DEPTH OF BOTTOM /O /90
		4	NESS (O	DEPTH OF BOTTOM /O
18. FORMATIONS PASSED THROUGH	NECESSARY	<i>y</i>	0	DEPTH OF BOTTOM /O //O
18. FORMATIONS PASSED THROUGH	NECESSARY	<i>y</i>	0	DEPTH OF BOTTOM 190
Continue on separate sheet if		<i>y</i>	0	DEPTH OF BOTTOM 190

GEOLOGICAL AND WATER SURVEYS WELL RECORD

White Copy - itr. Dept. of Public Health Yellow Copy - Well Contractor Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUE. AD AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS	DEF	ARTMEN'	r of	PUBLIC	HEALTH
WE	ELL	CONSTRU	CTIO	N REPOR	RT .

1.	Type of Well a. Dug Bored Hole Diam. 5_in. Depth 205 ft. Curb material Buried Slab: YesNo b. Driven Drive Pipe Diam. 5_in. Depth 40_ft. c. Drilled X Finished in Drift In Rock_X Tubular Gravel Packed d. Grout: (KIND) FROM (Ft.) TO (Ft.)	Addre Drille 11. Permi 12. Water at dep 14. Screen Lengt	charles Fykes t No. 126587	License Date 13. Count Sec. Twp.	No. 102-2	
		Diam. (in.)	Kind and Weight	From (Ft.) T	'o (Ft.)	SHOW CATION IN
٠	Distance to Negrest:	5''	A-53 15 1bs.	0	40 SEC	TION PLAT
۷.	Building 30 Ft. Seepage Tile Field 75'				NE	NW NE
	Cess Pool Sewer (non Cast iron)					
		16 Size I	Hole below casing: 5	in	<u> </u>	
	Privy Sewer (Cast iron) Septic Tank50		level 40 ft. below casi		is	+1 ft.
	Leaching Pit Manure Pile		ground level. Pumping leve			
					Anen hambin	
	Well furnishes water for human consumption? Yes X No		or <u>1</u> hours.		anen hambitt	y ut
4.	Date well completed9-5-86	gpm fo	or _1_ hours.			
4.	Date well completed 9-5-86 Permanent Pump Installed? Yes Date No X	gpm fo			THICKNESS	
4.	Date well completed 9-5-86 Permanent Pump Installed? Yes	gpm fo	or hours. FORMATIONS PASSED THROUGH	Н	THICKNESS	DEPTH OF BOTTOM
4 . 5 .	Date well completed 9-5-86 Permanent Pump Installed? Yes Date No X Manufacturer Type Location Ft. Capacity gpm. Depth of Setting Ft.	gpm fo	or1hours. FORMATIONS PASSED THROUGH	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6.	Date well completed 9-5-86 Permanent Pump Installed? Yes Date No X Manufacturer Type Location Ft. Capacity gpm. Depth of Setting Ft. Well Top Sealed? Yes X No Type Vermin-Proof (Wms.)	gpm fo	or1hours. FORMATIONS PASSED THROUGH	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6.	Date well completed 9-5-86 Permanent Pump Installed? Yes Date	gpm fo	or1hours. FORMATIONS PASSED THROUGH	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7.	Date well completed 9-5-86 Permanent Pump Installed? Yes Date No X Manufacturer Type Location Ft. Well Top Sealed? Yes X No Type Vermin-Proof (Wms. Pitless Adapter Installed? Yes No Model Number Model Number	gpm fo	or1hours. FORMATIONS PASSED THROUGH Clay Gravel	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7.	Date well completed 9-5-86 Permanent Pump Installed? Yes Date No X Manufacturer Type Location Ft. Well Top Sealed? Yes X No Type Vermin-Proof (Wms. Pitless Adapter Installed? Yes No Model Number Model Number	gpm fo	or1hours. FORMATIONS PASSED THROUGH Clay Gravel	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7.	Date well completed 9-5-86 Permanent Pump Installed? Yes Date NoX Manufacturer Type Location Ft. Capacity gpm. Depth of Setting Ft. Well Top Sealed? Yes X No TypeVermin=Proof (Wms Pitless Adapter Installed? Yes No Model Number How attached to casing? Well Disinfected? Yes X No Wo Yes X No Well Disinfected? Yes X No Yes Yes X No Yes Yes X No Yes Yes X No Yes Yes X No Yes	gpm fo	or1hours. FORMATIONS PASSED THROUGH Clay Gravel	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9.	Date well completed 9-5-86 Permanent Pump Installed? Yes Date NoX Manufacturer Type Location Ft. Capacity gpm. Depth of Setting Ft. Well Top Sealed? Yes X No Type Vermin-Proof (Wms Pitless Adapter Installed? Yes No Model Number How attached to casing? Well Disinfected? Yes X No Pump and Equipment Disinfected? Yes No No	gpm fo	or1hours. FORMATIONS PASSED THROUGH Clay Gravel	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9.	Date well completed	gpm fo	or1hours. FORMATIONS PASSED THROUGH Clay Gravel	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9.	Date well completed	gpm fo	or1hours. FORMATIONS PASSED THROUGH Clay Gravel	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9. 10.	Permanent Pump Installed? Yes Date NoX	gpm fo	or1hours. FORMATIONS PASSED THROUGH Clay Gravel	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9. 10.	Date well completed 9-5-86 Permanent Pump Installed? Yes Date NoX Manufacturer Type Location Ft. Capacity gpm. Depth of Setting Ft. Well Top Sealed? Yes X No Type Vermin-Proof (Wms Pitless Adapter Installed? Yes No Manufacturer Model Number	gpm fo	or1hours. FORMATIONS PASSED THROUGH Clay Gravel	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9. 10.	Permanent Pump Installed? Yes Date NoX Manufacturer Type Location Ft. Well Top Sealed? Yes X No Type Vermin=Proof (Wms. Pitless Adapter Installed? Yes No Model Number How attached to casing? Well Disinfected? Yes X No Pump and Equipment Disinfected? Yes No Pressure Tank Size gal. Type Location Water Sample Submitted? Yes No X	gpm fo	or1 hours. FORMATIONS PASSED THROUGH Clay Gravel Limestone	Н	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9. 10.	Date well completed 9-5-86 Permanent Pump Installed? Yes Date NoX Manufacturer Type Location Ft. Capacity gpm. Depth of Setting Ft. Well Top Sealed? Yes X No Type Vermin-Proof (Wms Pitless Adapter Installed? Yes No Manufacturer Model Number	(CONTINU	or1hours. FORMATIONS PASSED THROUGH Clay Gravel	NECESSARY)	14' 4' 187'	DEPTH OF BOTTOM

White Copy — III, Dept. of Public Health Yellow Copy — Well Contractor Blue Copy — Well Owner

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well		Addres
	a. Dug Bored Hole Diam. 5 in. Depth 305 ft.		Driller
	Curb material Buried Slab: YesNo	11.	Permit
	b. Driven Drive Pipe Diam 5 in. Depth ft. c. Drilled X Finished in Drift In Rock X	12.	Water f
	c. Drilled A rinished in Drift In Rock A.		at dept
	Tubular Gravel Packed	14.	Screen
	d. Grout: (KIND) FROM (Ft.) TO (Ft.)	- ••	Length
		15.	Casing
	·	Die	m. (in.)
2	Distance to Negrest:	<u> </u>	5"
۷.	Building 30 Ft. Seepage Tile Field 75'	- 1	
	Cess Pool Sewer (non Cast iron)		
	· · · · · · · · · · · · · · · · · · ·		
	Privy Sewer (Cast iron)		Size H
	Septic Tank 50' Barnyard	17.	Static
	Leaching Pit Manure Pile		above
3.	Is water from this well to be used for human consumption?		gpm fo
	Yes X No		
4	Date well completed 11-21-86	18.	F
5.	Permanent Pump Installed? Yes X No Subm	_	
	Manufacturer Webtrol Type Subm. Capacity 12 gpm. Depth of setting 240 ft.		
6.	Well Top Sealed? Yes X No No		
	Pitless Adaptor Installed? Yes X No No		
	Well Disinfected? Yes X No No		
9.	Water Sample Submitted? YesNoX		
		_	
RE	MARKS:		
	a #		
	Co#29246		

GEOLOGICAL	AND	WATER	SURVEYS	WFII	RECORD
GLULUGICAL	שוות	UV I TI	DOLLATIO	77 6666	THECOID

10.	Propert	y owner Bo	b Blaesing	3	. Well No	·	1
	Addres	s <u>633 Oakv</u>	iew ; Joli	et, IL			
	Driller	<u>Charles F</u>	ykes	Licens	e No	<u> 102-</u>	23
11.	Permit	No. 128	235	Date	11-2	1-86	
12.	Water f	rom Limesto	one	13. Cou	nty	<u>W111</u>	
	at dept	th <u>295</u> to <u>3</u>	05 ft.	Sec.	14.4 35N 10E	/a/	
14.	Screen	: Diam	in.	Twp	. <u> </u>	. [
	Length	i:ft. SI	ot	Rge	. <u>10E</u>		1-1-1
				Elev	/		+++-1
15.	Casing	and Liner Pi	pe			X	
Die	m. (in.)	Kind en	d Weight	From (Ft.)	To (Ft.)	Lo	SHOW CATION IN
	5"	A-53	15 1bs.	0	119	SEC	TION PLAT
						Su) SW SE
16.	Size H	ole below cas	ing: 5	in.		•	·
17.	Static	level 100 f	t. below casi	 na top whic	ch is	-	+1 ft.
	above	level <u>100</u> f ground level.	Pumping leve	el 240 ft.	when pu	ımpin	a at 12
		r 1 hours				•	,
18.	F	ORMATIONS PA	ASSED THROUG	эн 	тніск	NESS	DEPTH OF BOTTOM
		Clay				L7 '	17'
		Limest	one		27	73'	290'
		Shale				5'	295'
		Limest	one			10'	305 '
			•		İ]
							
					- 		
]
					+		
			· 				<u> </u>
					-		
-		····					<u> </u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Charles Tykes DATE December 4, 1986

IDPH 4,065 10-72 KNB-1

Yellow Copy - Well Contraction Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUE. ED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 VEST JEFFERSON, SPRINGFIELD, ILLINOIS, \$2761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

SHOW LOCATION IN BECTION PLAT

DEPTH OF

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10. Property owner + utton Stable	Well No	
1	Type of Well	Address 1309 Ald Dew Kenix	RA CVI	. (2)
1.	a. Dug Bored Hole Diam. 5 in. Depth 100 ft.	Driller Al Paul Licen	se No. 10	में उप
	Curb material Buried Slab: YesNo	Drifter 212 Paris No. 704/7	Co. 23.	1977
	b. Driven Drive Pipe Dies in. Depth ft.	11. Permit No. 704/7 Date 2 12. Water from 13. Cou	inty (1) Cil	
	Deliver V Chicked in Dalls In Rock V	Formation 13. Col		
	c. Drilled X Finished in Drift In Rock X.	at depth 35 to 700 ft. Sec	. 14.46	
	Tubulca Gravel Pucked	14. Screen: Diomin. Tw	p. <u>1551</u> V	
	d. Grout: (KIND) FROM (FL.) TO (FL.)	Length:ft. Slot Rge	. 10 F	
	Cutting	-	v	
	1 Lice of the second	15. Casing and Liner Pipe	L	
		,	To (Pt.)	SHOW
	The state of the s		the Little Little	OCATION I
2	Distance to Newrest:	5" Bek urt 15lb 0	42 880	CTION PL
	BuildingFt. Seepage Tile Field			
	Cess Pool Sewer (non Cast iron)		1	
		16 Sin Hala balan anning 6	اسسسط	
		16. Size Hole below casing:in.		į
	Septic Teals OC Bornyard	17. Static level 39 It. below casing top whi		
	Leaching Pit Manure Pile	above ground level. Pumping level 24 1	. when pumpir	ag at 🖂 🖸
.	Well furnishes water for buman consumption? Yes No	gpm for 4 hours.		
4.	Permonent Pupp Installed? Yes Date No	18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH O
li.	Permoner' Pump Instribut? Yes A Date No	10.		BOTTON
	Manufacture (MINES) Type Dell'Mingario: Well	Queleurden	10	14 d
	Deponing of Congress Depth of Setting		42	100
á.	Well Top Sealed? Lis X No Type	Rock formation	<u> </u>	1700
7.	Pitless Adapter Installed Yes K No No	$oldsymbol{\mathcal{U}}$	ţ	}
	Manufacturer Illarum New Model Number			 -
	How citached to doing? Rolled			<u> </u>
9.	Well Disinfected? Yes X No			1
9.	Well Disinfected? Yes NoNoNoNoNoNoNo			
10.	Pressure Tank Size 102 gal., Type Gall. Location in Mai ment	,		<u> </u>
	Location Marment			
11.	Water Sample Submitted? Yes No			
RE	MARKS:		1	
	,			
	Owner instructed to do	<u> </u>		
	warner kneuericella we	(CONTINUE ON SEPARATE SHEET IF NECESSAR	Y)	
	10	Day & Karacina	1- x	70
	₩.	SIGNED Paul Gneerim D	ATE /	-10
		. //		

Wh. __Copy —
III. Dept. of Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well a. Dug Bored Hole Diam. 5 in. Depth 245 ft. Curb material Buried Slab: YesNo b. Driven Drive Pipe Diam. 5 in. Depth 40 ft. c. Drilled X Finished in Drift In Rock X Tubular Gravel Packed d. Grout: (KIND) FROM (Ft.) To (Ft.)	11. Permit No. 61581 Date 12. Water from Limestone 13. Count Formation at depth 40 to 245 ft. Sec. 14. Screen: Diam. in. Twp. Length: ft. Slot Rge.	No. 102-23 6-3-77 y W111 14.40 35N 10E
	15. Casing and Liner Pipe	
	Diam. (in.) Kind, and Weight From (Ft.)	o (FL) SHOW LOCATION IN
2. Distance to Nearest: Building 35 Ft. Seepage Tile Field 75' Cess Pool Sewer (non Cast iron)	5" A-53 15 1bs. 0	40' SECTION PLAT
Privy Sewer (Cast Iron) Septic Tank 50' Leaching Pit Manure Pile 3. Is water from this well to be used for human consumption?	16. Size Hole below casing:in. 17. Static level120_ft. below casing top which above ground level. Pumping levelft. v gpm for _1 hours.	
Yes X No 7-9-77 4. Date well completed 7-9-77	8. FORMATIONS PASSED THROUGH	THICKNESS DEPTH OF BOTTOM
5. Permanent Pump Installed? Yes X No	Clay	40' 40'
Manufacturer Barnes Type Submersible Capacity 10 gpm. Depth of setting 140 ft.	Limestone	205' 245'
6. Well Top Sealed? Yes X No No		
7. Pitless Adaptor Installed? Yes X No		
9. Water Sample Submitted? Yes No X		
REMARKS:		
	(CONTINUE ON SEDADATE SUBSTITUTE APPROACH TO	<u> </u>
IDPH 4.065 10-72 KNB-1	GONTINUE ON SEPARATE SHEET IF NECESSARY) SIGNED STANDARD DAT	EApril 4, 1979

White y -III. Lapt. of Public Health
Yellow Copy -- Well Contractor
Blue Copy -- Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

•	WELL CONSTITU	CHON HEFOR	•
1.	Type of Well a. Dug Bored H Curb material B b. Driven Drive Pi c. Drilled Finished Tubular Gravel F	Buried Slab: Yes pe Diamin I in Drift	No
	d. Grout: (KIND)	PROM (Ft.)	TO (Ft.)
			
2.	Distance to Nearest:		D = 1
	Building 25 Ft.	Seepage Tile Fi	eld <u>/_5 '</u>
	Cess Pool	Sewer (non Cast	iron)
	Privy		n)
	Septic Tank	Barnyard Manure Pile	
2	Is water from this well to be u		
J.	Yes No	ised for numan cor	isumption?
4.	Date well completed	26-29	
5.	Permanent Pump_Installed?	Yes ×	No
٠.	Manufacturer Barnes	Type 1	c & mercible
	Capacity /2 gpm. De	pth of setting	<u> </u>
	Well Top Sealed? Yes		
7.	Pitless Adaptor Installed?	Yes N	lo
8.	Well Disinfected? Yes X Water Sample Submitted? Y	No	
9.	Water Sample Submitted? Y	es l	10 <u>X</u>
	-		,
REI	MARKS:		
	•		
		•	,
	2H 4.065		
_	·72 B - 1		

	GEOLOGICAL AND WATER	SURVEYS	WEL	LL R	ECO.	RD
10.	Property owner Olarin Bo Address 607 On Krychen Driller Charles Fift		wit	1,07	QD,	
	Permit No. 36341 Water from Samestane	Date 13. Cour	nty_	8-1	19 LL	<i>y</i>
14.	at depth 40 to 105 ft. Screen: Diamin. Length:ft. Slot		/			X
15.	Casing and Liner Pipe	2.0			L	
	Size Hole below casing:	ing top which	μ ch is	s_7	SEC.	ft.
18.	FORMATIONS PASSED THROUGH	GH	Ţ:	гніск	NESS	DEPTH OF BOTTOM
(Law Limestone			/	40 25	40 165
			1			
			1			
	ONTINUE ON SEPARATE SHEET IF NED <u>(Raile) Fy</u>	Λ		/-	14-	50

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GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

1.	Type of Well a. Dug Bored Hole Diam. 5in. Depth 145_ft. Curb material Buried Slab: YesNo b. Driven Drive Pipe Diam. 5in. Depth 42_ft. c. Drilled X Finished in Drift In Rock X Tubular Gravel Packed d. Grout: (KIND) FROM (Ft.) TO (Ft.) Cement -5' 42	Addro Drillo 11. Perm 12. Water at de 14. Scree Leng	Bill Holmes rty owner ess Louis Joliet Hill er Charles Fykes it No. 43596 from Limestone Formation pth 18 to 145 ft. n: Diamin. th:ft. Slot rg and Liner Pipe Kind and Weight	License Date 13. Count Sec. Twp.	No. 102-2 12-5-75 y W111 14.50 35N 10E	X
					LO SEC	SHOW CATION IN TION PLAT
2.	Distance to Nearest:	. 5"	A-53 15 1bs.	0	42 SEC	SE SW
	Building 30 Ft. Seepage Tile Field 75'			 		
	Cess Pool Sewer (non Cast iron)	L	<u> </u>	LL.		
	Privy Sewer (Cast Iron)		Hole below casing: 5			
	Septic Tank 50 Barnyard Manure Pile		level <u>80</u> ft. below casi			
•	•		e ground level. Pumping lever $\frac{1}{1}$ hours.	e1_00 It. v	vnen pumpin	g at _10_
3.	Is water from this well to be used for human consumption? Yes X NoNo	gpin i	or nours.		·	
4.	Date well completed 12-18-75	18.	FORMATIONS PASSED THROUGH	3H	THICKNESS	DEPTH OF BOTTOM
ς.	Permanent Pump Installed? Yes X No		Clay and (Pravol	18'	18'
٥.	Manufacturer parties lype additional and the subject of the subjec			1	1	
	Capacity 10 gpm. Depth of setting 100 ft.		Limestone		127'	145'
6.	Well Top Sealed? Yes X No No	•·····································		·····		
7.	Pitless Adaptor Installed? Yes_X NoNo					į
8.	Well Disinfected? Yes NoX					
	Water Sample Submitted? YesNo	***********				
REI	MARKS:			· · · · · · · · · · · · · · · · · · ·		
						
		 -			 	
				 	<u> </u>	<u> </u>
		(CONTIN	UE ON SEPARATE SHEET IF	NECESSARY)		
	PII 4.065	SIGNED	show ashark	D	9-21-	79
	-72 IB-1	SIGNED _		DAT	Ľ	

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

stance to Nea ilding 30 ss Pool ivy ptic Tank aching Pit	Ft	. Seep Sewo	er (non C	Field_	751
ilding 30 ss Pool ivy Tank	rest: Ft	. Seep Sewo	oage Tile er (non C	Field_	75'
ilding 30 ss Pool ivy Tank	Ft	Sewe Sewe	er (non C		
ivy ptic Tank	501	Sew	•		
aching Pit		Barr	yard		
water from thi					
, X	No			consump	tion r
te well compl	eted	4-27-7	6		
rmanent Dump	Installed?	Yes	Х	No_	
nufacturer	Barnes		Type_	Submer	rsible
pacity	gpm. D	epth of X	setting_	100	<u>'</u> i
•					
					v
KS:					
	te well complete well complete manent Pump nufacturer 10 pacity 10 ll Top Sealed less Adaptor ll Disinfected ter Sample Su	rmanent Pump Installed? nufacturer Barnes pacity 10 gpm. D Il Top Sealed? Yes less Adaptor Installed? Il Disinfected? Yes ter Sample Submitted?	te well completed4-27-7 rmanent Pump Installed? Yes nufacturer Barnes pacity 10 gpm. Depth of Il Top Sealed? YesX less Adaptor Installed? Yes Il Disinfected? YesX ter Sample Submitted? Yes	te well completed	te well completed

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10.	Propert	y ownerDoi	n Giacomi		Wel	l No.	. 1	L	
	Addres	s Lot	#16 - Adel	la & I-8	0				
	Driller	Char	les Fykes	Licens	se No	s1	02-2	23	
11.		No4							
		romLime							
	of dept	h <u>23</u> to <u>1</u>		Sec	•	14.5	ا ۽		\Box
14.		: Diam)				Н
		:ft. Sl						 	H
	_			Ele	v		-		H
15.	Casing	and Liner Pi	ip e				L	<u>L.L.</u>	Ш
Di	m. (in.)	Kind an	d Weight	From (Ft.)	To (Ft.)	LO	SHOW	IN
	5'	A-53	15 1bs.	0	40		SEC.	TION F	LAT
					<u> </u>		SE	SE	ΝM
				•	t^-				
16	Si H	ole below cas	ing: 5	in.	<u></u>				
		level 80 f	····y·		ch is		+1	ļ	ft
• • • • • • • • • • • • • • • • • • • •	above	ground level.	Pumping lev	el 80 ft	. whe	n Du	mpine	, at 10	_ ```
		r 1 hours				•		,	
18.	þ	ORMATIONS PA		эн	7	ніск	NESS	DEPTI	OF
18.	,	ORMATIONS PA	ASSED THROUG	эн	7			DEPTI	
18.		ORMATIONS PA		SH SH	_	23'		23	
18.		C	ASSED THROUG	ЭН	_				
18.		C	ASSED THROUG	ЭН	_	23'		23	
18.		C	ASSED THROUG	GH .	_	23'		23	
18.	,	C	ASSED THROUG	SH SH	_	23'		23	
18.	,	C	ASSED THROUG	SH .	_	23'		23	
18.	,	C	ASSED THROUG	GH C	_	23'		23	
18.	,	C	ASSED THROUG	ЭН	_	23'		23	
18.		C	ASSED THROUG	SH .	_	23'		23	
18.		C	ASSED THROUG	SH .	_	23'		23	
18.		C	ASSED THROUG	ЭН	_	23'		23	
		C. L.	lay imestone			23'		23	
		C	lay imestone TE SHEET IF	NECESSAR	n	23'		150	
(Cc		C. L.	lay imestone TE SHEET IF		n	23'		150	

KNB-1

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	# LD	L CONDINO	11011 1121 0111	•
1.	Type of Well			
	a. Dug I	Bored Ho	le Diam. <u>5</u> in	. Depth <u>/60</u> ft.
	Curb materia	ıl Bu	ried Slab: Yes_	No
				Depthft.
				In Rock
		Gravel Pa	cked	
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)
		Cutteras		•
_		<u> </u>		
2.	Distance to Ne		c m., p.	11 75
	Building Cess Pool	r t.	Seepage Tile Fie	iron)
	Septic Tank	50	Barnvard)
	Leaching Pit _		Manure Pile	
3.			consumption? Y	es_X_ No
	Date well comp			
5.	Permonent Pum	p_Installed? Yes	s_XDaje <i>(2</i> 2	-/2-XNo
				ion well
_				.OFt
6.	Well Top Sealed	1? YesNo.	Type	
7.	Pitless Adapter	marting and	S_ANO	 per
	How attached to	casina?	etal wime	er
8.	Well Disinfecte	d? Yes X	No	
9.	Pump and Equip	oment Disinfecte	d? Yes X	No
10.	Pressure Tank	Size 42gal.	Type Kal	w.
	Location A	sement		
11.	Water Sample St	ibmitted? Yes	No <u></u>	
RE	MARKS:			
			, ,	`
	Duries	instru	eted to be	000
	0 - 0 , 00 (_

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner fatton frum	9	Well No		
Address Addle of	Joliet			
Driller K+K (Faul	License	e No. 🚄	02	-22
11. Permit No. 30609	Date			
12. Water from Cack	13. Cour	ty	100	
at depth 25 to 160 ft.	Sec.	14.	φ	
14. Screen: Diamin.		357		
Length:ft. Slot	-	JOE	<u>-</u>	 - -
•	Elev			
15. Casing and Liner Pipe				
Diem. (in.) Kind and Weight	From (Ft.)	To (Ft.)	1.0	SHOW CATION IN
5 Reb 15/h.	0	45	8FC	TION PLAT
			J <i>b/</i>	S.II. HA
	 		34	
	<u> </u>		עאו	1 5E SW
16. Size Hole below casing:		_	٠,	,
17. Static level 35 ft. below casi				ft.
above ground level. Pumping lev gpm for hours.	el <u>60</u> ft.	when pu	mpin	g at 🕰
comfor 7 hours.				
dh 101 ——— non10.				
18. FORMATIONS PASSED THROUGH	ЭН	THICK	NESS	DEPTH OF
	у	THICK	NESS	DEPTH OF BOTTOM
	Б Н	THICK	NESS	DEPTH OF BOTTOM
	tion	THICK	NE88	DEPTH OF BOTTOM
	tion	THICK	NESS	DEPTH OF BOTTOM 45 160
	tron	THICK	NE88	DEPTH OF BOTTOM 45 160
	lion.	THICK	SNESS	DEPTH OF BOTTOM
	tion	THICK	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DEPTH OF BOTTOM
	tron	THICK	CNESS	H5 160
	tron	THICK	S S	DEPTH OF BOTTOM
	lion	THICK	S S	DEPTH OF BOTTOM
	ton	THICK	S S S S S S S S S S S S S S S S S S S	H5 160
	ton	THICK	SNESS	H5 160
	tron	THICK	SNESS	DEPTH OF BOTTOM
	lion	<i>y</i> .	S S	DEPTH OF BOTTOM
18. FORMATIONS PASSED THROUGH ROCK forma	NECESSARY)	#	(NESS	H5 160

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	b. Driven c. Drilled	rl Bu Drive Pipe	ried Slab: Yes_ e Diamin. in Drift	
	a. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)
		culturing		•
		Curring		
		<i></i>		
		L	L	
2.	Distance to Ne			
	Building	Ft.	Seepage Tile Fie	eld <u>75</u>
	Cess Pool		Sewer (non Cast	iron)
	Privy	···		
	Privy Septic Tank	50	Barnyard	
	Leaching Pit	1	Manure Pile	
3.	Well furnishes	water for human	consumption? Ye	es_X_No
4.	Date well comp	leted	<u> </u>	
5.	Permanent Pum	p Installed? Yes	s_X_Date	20 - 25 No
	Manufacturer 52	A RITE TY	pe <u>Suba</u> Locat	ion well
	Capacity 20	_gpm. Depth of	Setting	<u>60 </u>
6.	Well Top Sealed	1? Yes <u> </u>	Type	
7.	Pitless Adapter	Installed? Ye	es <u> </u>	
	Manufacturer	Martasen	Model Numb	er
	How attached to	o casing?	alted	
8.	Well Disinfecte	d?Yes X	_ No	
9.	Pump and Equip	oment Disinfecte	d? Yes 🗡	No
10.	Pressure Tank	Size_ <u>4/2</u> gal. _/	_Type <i>[r4][</i>	
		Basement		<u> </u>
		ubmitted? Yes	NoX	·
RE	MARKS:			T / .
	Oun	er Inst	ructed A	le de Se

GEOLOGICAL AND WATER SURVEYS WELL RECORD

				· .			
10.	Proper	y owner 🔬	bert D.	ellen_	Well No		
	Addres	s 811 00	ak New	lever !	Rd 92	celio	1 900
	Driller	_K+K	URER Dul	Licens	e No.	102	-29
11.	Permit	No. <u>-36.8</u>	8 <i>58</i>	Date _		<u> </u>	5
12.	Water !	trom Land	stere	13. Cou	nty	120	,
	at dep	th <u>20</u> to 42		Sec.	14:1	a	
14.		: Diam		Twp	. 351	<u> </u>	
	Length	:ft. S	lot	Rge	10 E	. -	 - - -
				Elev	7.	. -	╂╌╂╼╂╼┫
15.	Casing	and Liner P	ipe			نا ن	لللل
Die	w. (in.)	Kind as	nd Weight	From (Ft.)	To (Ft.)	LO	SHOW CATION IN
L	5	Black	1516	0	41	8EC	TION PLAT
						SE	Swsw
Г	· -						
16.	Size H	ale below ca	sing:5	in.			
			it. below casi		h is		ft.
			Pumping leve				
		rhours			•	•	,
18.	·-·	ORMATIONS P	ASSED THROUG	H	THICK	NESS	DEPTH OF BOTTOM
10.					-		BOTTOM
		1.0. [alon		10		41
			77.4.4				
	12	red Fo	matici		4	/	120
	7	restru	rmatici		4.	/	120
	Z	red Fo	rmatici		4.	/	120
	À	res 70	rmatien		4.	/	120
	7	red Fo	rmatien		4.	/	120
	7	red 70	rmatien		4.		/20
	70	red Fo	rmatics		4.		/20
	7	red Fo	rmatien		4.		<i>120</i>
	<i>7</i> .	red Fo	rmatien		4.		<i>120</i>
	70	red Fo	rmatien		4.		/20
	<i>2</i>	red Fo	rmatien		4.		/20
			TE SHEET IF	NECESSARY	4.		<i>120</i>
		E ON SEPARA	TE SHEET IF		•		120
	UNITHO	E ON SEPARA			•		18.197.5

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH

ILLINOIS DEPARTMENT OF PUBLIC HEALTH	GEOLOGICAL AND WATER SURVEYS WELL	RECORD
WELL CONSTRUCTION REPORT	3.11.5.1	. P
	10. Property owner Well-N	
1. Type of Well a. Dug Bored Hole Diamin. Depth_Oft.	Address Driller Kankin Fuller License No.	
Curb material Buried Slab: YesNo	11. Permit No. 2 21 Pate 11.2	
b. Driven Drive Pipe Diamin. Depthit.	12. Water from Annie 13. County 4	
c. Drilled Finished in Drift In Rock	A / William	4 - 1
Tubular Gravel Packed	at depth to to the Sec.	≦°
d. Grout:	14. Screen: Diam. in. Twp 35	
(KIND) FROM (Ft.) TO (Ft.)	Length:ft. Slot Rge. 201	, , , , ,
Compre (01 401	Elev 15. Casing and Liner Pipe	- x X
	Diam. (in.) Kind and Weight From (Ft.) To (Ft.)	EUCKION IN
2. Distance to Negrest:	31 A53 10/65 0 40	SECTION PLAT
Building 6 Ft. Seepage Tile Field 22		Jot 16 in M
Cess Pool Sewer (non Cast iron)		-Subd, SWS
· · · · · · · · · · · · · · · · · · ·	16. Size Hole below casing:in.	- .
Privy Sewer (Cast iron) Septic Tank Barnyard	17. Static levelft. below casing top which is	4/ 6.
Leaching Pit Manure Pile	above ground level. Pumping level ft. when p	pumping at
3. Is water, from this well to be used for human consumption?	gpm for hours.	
Yes No	18. FORMATIONS PASSED THROUGH THIS	CKNESS DEPTH OF BOTTOM
5. Permanent Pump Installed? Yes No	S. Olan	12/ 12/
Manufacturer Manuso Type Comercel		2/1/2/
Capacity O apm. Depth of setting A ft.	A. We	4,26
Capacity 70 gpm. Depth of setting ft. 6. Well Top Sealed? Yes No No Capacity for the sealed?	Francourse 9	41/201
7. Pitless Adaptor Installed? Steams attacked to casing	ay ve	
8. Well Disinfected? Yes No	Sobut	
9. Water Sample Submitted? YesNoNo		
REMARKS:		
	·	
	<u> </u>	
	*	
	(CONTINUE ON SEPARATE SHEET IF NECESSARY)	_ /
IDPH 4.065 .	SIGNED (April) DATE	4-11-74
10-72 KNS-1	SIGNED TANKET DATE	, _ , , ,

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	WELL CONSTRUCTION HER SHI	10. Property owner Soviel
1	Type of Well	Address 7/2 Rowell C
••	a. Dug Bored Hole Diam. <u>5</u> in. Depth <u>25</u> ft.	Driller Charles Fyther
	Curb material Buried Slab: YesNo	11 Permit No. 54097 0
	b. Driven Drive Pipe Diam. 5 in. Depth 44 ft.	12. Water from Limestone Formation
	c. Drilled Finished in Drift In Rock	Formation
	Tubular Gravel Packed	at depth <u>43</u> to <u>125</u> ft.
	d. Grout:	14. Screen: Diamin.
	(KIND) FROM (Ft.) TO (Ft.)	Length:ft. Slot
		· · · · · · · · · · · · · · · · · · ·
		15. Casing and Liner Pipe
		Diam. (in.) Kind and Weight
		5 A-53 15lbs
2.	Distance to Nearest:	
	Building 25 Ft. Seepage Tile Field $25'$	
	Cess Pool Sewer (non Cast iron)	
	Privy Sewer (Cast iron)	16. Size Hole below casing: <u>5</u>
	Septic Tank 50' Barnyard	17. Static level 60 ft. below casin
	Leaching Pit Manure Pile	above ground level. Pumping leve
3.	Is water from this well to be used for human consumption?	gpm forhours.
	Yes No	10 FORMATIONS PASSED THROUGH
4.	Date well completed 11-2-76	18. FORMATIONS PASSED THROUGH
5.	Permanent Pump Installed? Yes NoNo	00_{o}
٠.	Manufacturer Barnes Type Submarsible	a do
	Capacity 12 gpm. Depth of setting 80, ft.	Sand
6	Well Top Sealed? Yes No	Rimestone
	Pitless Adaptor Installed? Yes X No	· CITIMARATY
	Well Disinfected? Yes No	
9.	Water Sample Submitted? YesNo	
RE	MARKS:	
		(CONTINUE ON ORDADATE STORY
	•	(CONTINUE ON SEPARATE SHEET IF N

IDPH 4.065 10-72 KNB-1

Date 10-27-76 _ 13. County_ Rge. Elev. From (Ft.) To (Ft.) LOCATION IN SECTION PLAT 1 swswsw in. casing top which is_ g level 78 ft. when pumping at 12

License No. 23

THICKNESS

DEPTH OF BOTTOM

GEOLOGICAL AND WATER SURVEYS WELL RECORD

T IF NECESSARY)

SIGNED Charles Fyles DATE 11-28-79

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GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION DEDORT

	WELL CONSTRUCTION REPORT	10. Property owner P.T. June		Well No	
1.	Type of Well	Address 700 5 Kawul Driller 20 Kawul	Doll	7	·
••	a. Dug Bored Hole Diam. 6 in. Depth 220t.	Driller KOK Phil	License	No., 102	84
	Curb material Buried Slab: YesNo	11. Permit No. 772/9 12. Water from Pormation	Date	eptimle	W9,1978
	b. Driven Drive Pipe Diamin. Depthft.	12. Water from ROCK	13. Coun	ly 11110	
	c. Drilled Finished in Drift In Rock	Formation 200		- 1 S	
	Tubular Gravel Packed	at depth 30 to 30 ft.		14.16	
	d. Grout:	14. Screen: Dicmin.	Twp.	35%	
	(KIND) FROM (Ft.) TO (Ft.)	Length:ft. Slot	_	10E	
	utting	15 G . 11 . D.	Elev.	k	
		15. Casing and Liner Pipe			
		Diem. (in.) Kind and Weight	From (Ft.)		SHOW CATION IN
_		6" Stel 19 lbs	0	42 BEC	CATION IN
2.	Distance to Necrest:			, N	150 SC
	BuildingFt. Seepage Tile Field75				
	Cess Pool Sewer (non Cast iron)	l			
	Privy Sewer (Cast iron) Septic Tank Barnyard		_in.		/
	Septic Tank <u>I O D</u> Barnyard	17. Static level <u>SQ</u> ft. below casin	ig top which	h is/	ft.
					- 10
_	Leaching Pit Manure Pile	above groupd level. Pumping leve			g at <u>⇔{)</u>
3.	Leaching Pit Manure Pile				g at <u>or ()</u>
4.	Well furnishes water for fruman consumption? Yes No. Date well completed (COMMUN) 5, 1978	above ground level. Pumping leve	1 <u>/60</u> ft.		
4.	Well furnishes water for fruman consumption? Yes No. Date well completed (COMMUN) 5, 1978	gpm for hours. 18. FORMATIONS PASSED THROUGH	ni <u>/60</u> ft.	when pumpin	DEPTH OF BOTTOM
4.	Well furnishes water for ruman consumption? Yes No Date well completed (MULL) 778 Permanent Pump Installed? Yes Date No Manufacturer (MULL) 100 Manuf	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	when pumpin	
4 . 5 .	Leaching Pit Manure Pile	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF HOTTOM
4. 5. 6.	Well furnishes water for human consumption? Yes No Date well completed Company Consumption? Yes No Permanent Pump Installed? Yes Date No Manufacturer Depth of Setting Ft. Well Top Sealed? Yes No Type	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	when pumpin	DEPTH OF BOTTOM
4. 5. 6.	Well furnishes water for human consumption? Yes No Date well completed ACCOMMUN 57, 1978 Permanent Pump Installed? Yes Date No Manufacturer ACCOMMUN Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter installed? Yes No	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6.	Well furnishes water for fuman consumption? Yes No Date well completed ADCOMMUN 5, 1978 Permanent Pump Installed? Yes Date No Manufacturer Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter Installed? Yes No Manufacturer Manufacturer Model Number	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7.	Well furnishes water for ruman consumption? Yes No Date well completed ** Date No Permanent Pump Installed? Yes Date No Manufacturer Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter Installed? Yes No Manufacturer Model Number How attached to casing?	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7.	Well furnishes water for ruman consumption? Yes No Date well completed ** Date No Permanent Pump Installed? Yes Date No Manufacturer Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter Installed? Yes No Manufacturer Manufacturer Model Number How attached to casing? Well Disinfected? Yes No	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7.	Well furnishes water for summy consumption? Yes No Date well completed No. 1978 Permanent Pump Installed? Yes Date No. 1978 Manufacturer No. 1979 Capacity Open Depth of Setting Ft. Well Top Sealed? Yes No. 1979 Pitless Adapter Installed? Yes No. 1979 Manufacturer Model Number No. 1979 How attached to casing? No. 1979 Pump and Equipment Disinfected? Yes No. 1979 Pump and Equipment Disinfected? Yes No. 1979	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7.	Well furnishes water for summa consumption? Yes No Date well completed Set Date Permanent Pump Installed? Yes Date Capacity Gpm. Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter installed? Yes No Manufacturer Model Number How attached to casing? Well Disinfected? Yes No Pump and Equipment Disinfected? Yes No Pressure Tank Size Gal. Type	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9.	Well furnishes water for human consumption? Yes No Date well completed ADCOMMUNED NO Permanent Pump Isstalled? Yes Date No Manufacturer Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter installed? Yes No Manufacturer Model Number How attached to casing? No Well Disinfected? Yes No Pump and Equipment Disinfected? Yes No Pressure Tank Size 22 gal. Type 4000.	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9. 10.	Well furnishes water for fuman consumption? Yes No Date well completed ***Community** Permanent Pump Installed Yes Date No Manufacturer *** Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter Installed? Yes No Manufacturer *** Model Number How attached to casing? *** No Pump and Equipment Disinfected? Yes No Pressure Tank Size agai. Type *** No Location *** No Water Sample Submitted? Yes No	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9. 10.	Well furnishes water for human consumption? Yes No Date well completed ADCOMMUNED NO Permanent Pump Isstalled? Yes Date No Manufacturer Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter installed? Yes No Manufacturer Model Number How attached to casing? No Well Disinfected? Yes No Pump and Equipment Disinfected? Yes No Pressure Tank Size 22 gal. Type 4000.	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9. 10.	Well furnishes water for human consumption? Yes No Date well completed ACCOMMUNICATION Permanent Pump Isstalled? Yes Date No Manufacturer Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter installed? Yes No Manufacturer Model Number How attached to casing? Well Disinfected? Yes No Pump and Equipment Disinfected? Yes No Pressure Tank Size 22 gal. Type Manufacturer Water Sample Submitted? Yes No MARKS:	gpm for hours. 18. FORMATIONS PASSED THROUGH	1 <u>/60</u> ft.	THICKNESS	DEPTH OF BOTTOM
4. 5. 6. 7. 8. 9. 10.	Well furnishes water for human consumption? Yes No Date well completed ACCOMMUNICATION Permanent Pump Isstalled? Yes Date No Manufacturer Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter installed? Yes No Manufacturer Model Number How attached to casing? Well Disinfected? Yes No Pump and Equipment Disinfected? Yes No Pressure Tank Size 22 gal. Type Manufacturer Water Sample Submitted? Yes No MARKS:	above ground level. Pumping lever gpm for hours. 18. FORMATIONS PASSED THROUGH ROCK Form at	1 /60 ft.	THICKNESS O 42	DEPTH OF HOTTOM
4. 5. 6. 7. 8. 9. 10.	Well furnishes water for fuman consumption? Yes No Date well completed ***Community** Permanent Pump Installed Yes Date No Manufacturer *** Depth of Setting Ft. Well Top Sealed? Yes No Type Pitless Adapter Installed? Yes No Manufacturer *** Model Number How attached to casing? *** No Pump and Equipment Disinfected? Yes No Pressure Tank Size agai. Type *** No Location *** No Water Sample Submitted? Yes No	gpm for hours. 18. FORMATIONS PASSED THROUGH	NECESSARY)	THICKNESS O 42	DEPTH OF BOTTOM 42 220

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Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION RE ESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

WELL CONSTRUCTION REPORT	10. Property owner Karly	Wall No 344
1. Time of Wall	Address Owlist	nen no.
1. Type of Well a. Dug Bored Hole Diam. 5_in. Depth 275ft.	Driller Xkin License	No. 92-92
Curb material Buried Slab: YesNo	11. Permit No. 2/2/2 Date /	2-6-72
b. Driven Drive Pipe Diam in. Depth 42-it.	12 Water from Trans 13 Count	
c. Drilled Finished in Drift In Rock	12. Water from Formation 13, Count	
Tubular Gravel Packed		15
d. Grout:		352
(KIND) FROM (Ft.) TO (Ft.)	Length:ft. Slot Rge	105
	Elev.	 / \ - -
	Casing and Liner Pipe	
	Diam. (in.) Kind and Weight From (Ft.) T	SHOW LOCATION IN
	5 Bluck 15# 0	SECTION PLAT
2. Distance to Nearest:	5 Delich 132	Block 34
Building Ft. Seepage Tile Field		
Cess Pool Sewer (non Cast iron)		CanalTruste
Privy Sewer (Cast iron)	16. Size Hole below casing:in.	Wh
Septic Tank 50 Barnyard	17. Static levelft. below casing top which	ı is ft.
Leaching Pit Manure Pile	above ground level. Pumping levelft.	
3. Is water from this well to be used for human consumption?	gpm for hours.	
Yes No	######################################	
4. Date well completed 4-11-23	18. FORMATIONS PASSED THROUGH	THICKNESS DEPTH OF BOTTOM
	(7) Min 1	1 /-
5. Permanent Pump Installed? YesN8	Clay & Glevel	0 92
Manufacturer Wettral Type Sulm.	0	
Capacity 10 gpm. Depth of setting 295 ft.	7 -1.	42 295
6. Well Top Sealed? YesNo	Limestone	72 313
7. Pitless Adaptor Installed? Yes No		
8. Well Disinfected? YesNo		
		
9. Water Sample Submitted? YesNo		
REMARKS:		
•		
	·	
		<u> </u>
	(CONTINUE ON SEPARATE SHEET IF NECESSARY)	
IDPH 4.065	() A ()	
10-72	SIGNED LICE DAT	E 5-11-73
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	and a first Allela	
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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb materia b. Driven c. Drilled X	ıl Bu Drive Pipe	ried Slab: Yes_ Diam. <u>5</u> in. n Drift	. Depth 285 ft. No Depth <u>40</u>
	u. Glout.	(KIND)	FROM (Ft.)	TO (Ft.)
	,	Cemented	-51	40
2.	Cess Pool	50'	Sewer (non Cast Sewer (Cast iron Barnyard	eld iron))
3.	Is water from th	is well to be use	ed for human con	sumption?
	Yes X	No		•
4.	Date well comp	leted 9-6-	-75	
5.	Permanent Pum	p_installed? Y	es_X	No
	Manufacturer	Barnes	Type _de	Emercible
_				<u>52</u> ft.
	•	d? YesX		
		r Installed?		o
9.	Water Sample S	ubmitted? Yes	N	lo
REM	MARKS:			

	GEO!	LOGICAL A	ND WATER	SURVEYS	WELL F	RECO	RD
10.		y owner	eggard.	French	. Well No		·
	Addres	S 5/5	Ke hman les Firk	Licens	e No. 6	73	
	Permit	No. 40		Date 2 13. Cou	7-28-1		,
12.		th 12 to 2	rmetion	13. Cou Sec.	٠	/	$\overline{\Box}$
14.	Screen	: Dicom	in.	Twp	. 35K		+++
•	Length	::ft. S	ilot	Rge Elev	. <u>10E</u>	- [
15.	Casing	and Liner F	Pipe	Lie	/. 		L X
Die	m. (ln.)	Kind a	nd Weight	From (Ft.)			SHOW CATION IN
-	5_	H-53	15/100.	0	40		tion plat ESE
\vdash				<u></u>		1	
10. 17.	Static above	level <u>/5</u>	sing: <u>5</u> ft. below casi Pumping levels.	ng top whic	ch is <u>f</u> when p	ımpin	g at 12
18.)	ORMATIONS I	ASSED THROUG	Н	ТНІСІ	CNESS	DEPTH OF BOTTOM
	Top	, Soil	1			3	3
	In	rel				9	12
_;	Lim	estone			4	73	285
_							
_		· · · <u>-</u> · · · <u>- · · · · · · · · · · · · · · · </u>					
(C	UNITHO	E ON SEPAR	ATE SHEET IF	NECESSARY	^		

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well
	a. Dug Bored Hole Diamin. Depthft.
	Curb material Buried Slab: YesNo
	b. Driven Drive Pipe Diamin. Depthft.
	c. Drilled Finished in Drift In Rock
	Tubular Gravel Packed
	d. Grout: (KIND) FROM (FL.) TO (Ft:)
	Endlest Clan 0 30
	Village Land
	& Neithurgs
	<u> </u>
2.	Distance to Nearest:
	Building Ft. Seepage Tile Field
	Cess Pool Sewer (non Cast iron)
	Drive Source (Cook iron)
	Septic Tank 50 Barnyard Leaching Pit Manure Pile
	Leaching Pit Manure Pile
3.	Well furnishes water for human consumption? Yes V No
4.	Date well completed 10-2-81
5.	Permanent Pump Installed? Yes Date 11.6-11/No
	Manufacturer Red Walker Type Sult Location 4/6/6
	Capacity // gpm. Depth of Setting // Ft. Well Top Sealed? Yes No Type Will (well) Pitless Adapter Installed? Yes No No
6.	Well Top Sealed? Yes V No Type Will will (161)
7.	Pitless Adapter Installed? Yes V No No
	Manufacturer Williams Model Number Backer
	How attached to casing?
8.	Well Disinfected? YesNo
10.	Pump and Equipment Disinfected? Yes No Pressure Tank Size 42 gal. Type 11 11 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18
	Location Fix Axingh
11.	Water Sample Submitted? YesNo
	MARKS:
	•

	GEO!	LOGICAL AND WATER	SURVEYS	WELL RI	ECORD
10.	-	y owner [Side]	surge mit ii (les	Well No.	cT
	Driller Permit	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Date _	31-34	102-64
12.	Water I	Formation to to tt.	13. Cou	nty	<u>-:///</u>
14.	Screen	: Diamin.	Twp	3-51	
	_		Rge Elev	. <u>. i.ĉ.c.</u> v	
		and Liner Pipe			вном
Die	im. (ln.)	1306 (1) 15#//f-	From (Fi.)	To (FL)	LOCATION IN
		1/12/2010 - //		27	SE SE S
		ground level. Pumping le	vel A Cit.	h is when pur	nping at ==
18.	gpm fo	ground level. Pumping le rhours.	vel <u>/a Q</u> it.	when pur	nping at <u>ジ</u>
18.	gpm fo	ground level. Pumping le rhours.	vel <u>/a Q</u> it.	when pur	nping at <u>ジ</u>
18.	gpm fo	ground level. Pumping le rhours.	vel <u>/a Q</u> it.	when pur	nping at <u>ジ</u>
18.	gpm fo	ground level. Pumping le rhours.	vel <u>/a Q</u> it.	when pur	nping at <u>ジ</u>
18.	gpm fo	ground level. Pumping le rhours.	vel <u>/a Ç</u> it.	when pur	nping at <u>ジ</u>
18.	gpm fo	ground level. Pumping le rhours.	vel <u>/a Ç</u> it.	when pur	nping at <u>ジ</u>
18.	gpm fo	ground level. Pumping le rhours.	vel <u>/a Ç</u> it.	when pur	nping at <u>ジ</u>
18.	gpm fo	ground level. Pumping le rhours.	vel <u>/a Ç</u> it.	when pur	nping at <u>ジ</u>
18. ————————————————————————————————————	gpm fo	ground level. Pumping le rhours.	vel <u>/a Ç</u> it.	when pur	nping at <u>ジ</u>

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GEOLOGICAL AND WATER SURVEYS WELL RECORD

SIGNED Charles Fisher DATE 4-18-83

SHOW LOCATION IN SECTION PLAT SE SE SE

DEPTH OF BOTTOM

12'

2201

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

c. Drilled X . Finished in Drift In Rock X at depth 40 to 220 ft. Tubular Gravel Packed In Rock X It. Screen: Diam in. Twp. d. Grout: (KIND) FROM (Ft.) TO (Ft.) Length:ft. Slot Rge.	No. 23 3-16-83 ty Will 15.14 35N	
Diem. (in.) Kind end Weight From (Ft.)	To (Ft.) LOC	SHC TAC
5" A-53 15 lbs. 0	An SECT	1017
2. Distance to Nearest:	<u>-30</u> S€	2:
Building 30 Ft. Seepage Tile Field 75° Cess Pool Sewer (non Cast iron)	· · · · ·	
		
Privy Sewer (Cast iron) 16. Size Hole below casing: in. Septic Tank 50	h i	
Leaching Pit Manure Pile above ground level. Pumping level 80 ft.		
3. Well furnishes water for human consumption? Yes X No apm for 1 hours.		,
	T	
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. FORMATIONS PASSED THROUGH	THICKNESS	DE
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. FORMATIONS PASSED THROUGH Manufacturer Webtrol Type Subm. Location Well 7000 Co. 1		BC
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. FORMATIONS PASSED THROUGH Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft.	2'	DE
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. FOREATIONS PASSED THROUGH Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft. 6. Well Top Sealed? Yes X No Type Vermin-Proof (Wms.) Clay & Gravel	2'	
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft. 6. Well Top Sealed? Yes X No Type Vermin-Proof (Wms.) 7. Pitless Adapter Installed? Yes X No 1 Limestone	2'	DE BO
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft. 6. Well Top Sealed? Yes X No Type Vermin-Proof (Wms.) 7. Pitless Adapter Installed? Yes X No Limestone Manufacturer Williams Model Number 501-TC	2'	
5. Permanent Pump Installed? Yes X_Date 3-24-83No 18. Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft. 6. Well Top Sealed? Yes X_No Type Vermin-Proof (Wms.) 7. Pitless Adapter Installed? Yes X_No Solution Manufacturer Williams Model Number 501-TC How attached to casing? Compression Gasket Connection	2'	
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft. 6. Well Top Sealed? Yes X No Type Vermin-Proof (Wms.) 7. Pitless Adapter Installed? Yes X No Model Number 501-TC How attached to casing? Compression Gasket Connection 8. Well Disinfected? Yes X No Source 18. Forestrions Passed Through Through Through Top Soil Clay & Gravel Limestone	2'	
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft. 6. Well Top Sealed? Yes X No Type Vermin-Proof (Wms.) 7. Pitless Adapter Installed? Yes X No Limestone Manufacturer Williams Model Number 501-TC How attached to casing? Compression Gasket Connection 8. Well Disinfected? Yes X No 9. Pump and Equipment Disinfected? Yes X No 9.	2'	
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft. 6. Well Top Sealed? Yes X No Type Vermin-Proof (Wms.) 7. Pitless Adapter Installed? Yes X No Model Number 501-TC How attached to casing? Compression Gasket Connection 8. Well Disinfected? Yes X No Source 18. Forestrions Passed Through Through Through Top Soil Clay & Gravel Limestone	2'	
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft. 6. Well Top Sealed? Yes X No Type Vermin-Proof (Wms.) 7. Pitless Adapter Installed? Yes X No Limestone Manufacturer Williams Model Number 501-TC How attached to casing? Compression Gasket Connection 8. Well Disinfected? Yes X No 9 9. Pump and Equipment Disinfected? Yes X No 10. 10. Pressure Tank Size 82 gal. Type #203 Well-X-Trol	2'	
5. Permanent Pump Installed? Yes X_Date 3-24-83No	2'	
5. Permanent Pump Installed? Yes X Date 3-24-83No 18. Manufacturer Webtrol Type Subm. Location Well Top Soil Capacity 12 gpm. Depth of Setting 200 Ft. 6. Well Top Sealed? Yes X No Type Vermin-Proof (Wms.) 7. Pitless Adapter Installed? Yes X No Type Vermin-Proof (Wms.) Manufacturer Williams Model Number 501-TC How attached to casing? Compression Gasket Connection 8. Well Disinfected? Yes X No 9. Pump and Equipment Disinfected? Yes X No 10. Pressure Tank Size 82 gal. Type #203 Well-X-Trol Location 11. Water Sample Submitted? Yes No X	2'	

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH **WELL CONSTRUCTION REPORT**

• •

1.	Type of Well		•	
				. Depthft.
				No
				Depthft.
				In Rock
	Tubular	Gravel Pac	cked	
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)
		Pudsked (Vac		30
		Puga Ka Ma a	0	22
		7-1 11/11/11/11/11		
		U		
2.	Distance to Ne	rest:		
	Building		Seepage Tile Fie	1d 75
	Cess Pool		Sewer (non Cast	
	Privy		Sewer (Cast iron)	•
	Septic Tank	50	Barnyard	
,	Leaching Pit_		Manure Pile	
3				s L No
4	Date well some	1	クーンターダイ	
5	Damment Dum	p Installed Yes	i Data 10-	24-8 No
J.	Manufacturer &	Macket	ne kult Loom	Hon Chi TH
	Conscitu //)	com. Depth of	Setting 8	Ft.
£	Well Top Segler	i? YesNo.	Type ////	Kide Clat
7	Pitless Admies	Installed? Ye	No.	
••	Manufacturer //	10 Viams	Model Numb	Der BSCA-C.
	How attached to	o casing? Luli	Edita Calo is	nawia.
8.	Well Disinfecte	d? Yes	No -	
		oment Disinfecte	d? Yes L	No.
10.	Pressure Tank	Size 42 gal.	Type Lilill X	10:1 16/202
	Location	PAR IIICI		
11.		ubmitted? Yes		
	MARKS:			
			-	
				44
11	PH 4.065			

GEOLOGICAL AND WATER S	OHVEYS	WELLR	FCO	HD	
10. Property owner Girch Of	dire				
Address H2 I Finding			120 10	1.37	
Driller A)1 Eichibig			202	47	
	Date _			11.6	
12. Water from Liver Story	_ 13. Cou	aty	<u> </u>	<u>e</u> /	
at depth to 10 ft.	Sec.	15.	20		
14. Screen: Diamin.	Twp	. 350		- -	
Length:ft. Slot	Rge	ICG	-	┞╼╂╼╉	
	Elev		<u> </u>	┞╌┞╼╂╼┫	
15. Casing and Liner Pipe			L	<u></u> .	
Diam. (in.) Kind and Weight	From (Ft.)	To (Ft.)		SHOW CATION IN	
5 POKSTER 151/FF		30		rion plat 52 Block#	
					•9
			ŊΨ	SE SE	
16. Size Hole below casing:					
17. Static levelft. below casin	_10. _ topbis	.h.i.		3/4 11.	
above ground level. Pumping leve	g top willo				
gpm for hours.	11(.	wuen bu	mhrmi	ul	
18. FORMATIONS PASSED THROUGH	ł	THICK	NESS	DEPTH OF BOTTOM	
	R	THICK	NESS	DEPTH OF BOTTOM	
	ł	THICK	NE88	DEPTH OF BOTTOM	
	ł	THICK	2	DEPTHOF BOTTOM 2 6. 170	
	1	2	2	2	
	1	2	2	2	
	1	2	2	2	
	*	2	2	2	
	*	2	2	2	-
18. FORMATIONS PASSED THROUGH	1	2	2	2	•
		2	2	2	•
18. FORMATIONS PASSED THROUGH		2	2	2	-
18. FORMATIONS PASSED THROUGH		10	2	2	-
18. FORMATIONS PASSED THROUGH	VECESSARY	10	2/-	2 6. 170	-
18. FORMATIONS PASSED THROUGH	VECESSARY	10	2/-	2 6. 170	-
18. FORMATIONS PASSED THROUGH	VECESSARY	10	2/-	2 6. 170	• :
CONTINUE ON SEPARATE SHEET IF A	VECESSARY	10	2/-	2 6. 170	• •

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1/74 - KNB-1

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FILL IN ALL PERTINENT INFO. MATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS	DEF	PARTMENT	OF	PUBLIC	HEALTH
WE	ELL	CONSTRUC	TIO	N REPOR	?T

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT	GEOLOGICAL AND WATER SURVEYS WEL	L RECORD
•	10. Property owner dames kurner Well Address 605 Sinden an	
1. Type of Well a. Dug Bored Hole Diamin. Depth_ft.	Driller Charles Figure License No	Jour
Curb material Buried Slab: YesNo	11. Permit No. 30549 Date	
b. Driven . Drive Pipe Diam in. Depth . it.	12. Water from dimestone 13. County	
c. Drilled X. Finished in Drift In Rock X.	Formation	
Tubular Gravel Packed	at depth to 265 It. Sec.	
d. Grout:	14. Screen: Diamin. Twp. 3	
(KIND) FROM (Ft.) TO (Ft.)	Length:ft. Slot Rge.	
anere, 41 (10"	Elev 15. Casing and Liner Pipe	- h
	Diam. (in.) Kind and Weight From (Ft.) To ()	SHOW
		LOCATION IN
2. Distance to Nearest:	5" A-53. 1816s Or 4	2 Lot *9
Building Ft. Seepage Tile Field		1 Gandstead
Cess Pool Sewer (non Cast iron)		Swod. SWNESS
Privy Sewer (Cast iron)	16. Size Hole below casing:in.	
Septic Tank 30 Barnyard	17. Static level 62st. below casing top which is	+ / ft.
Leaching Pit Manure Pile	above ground level. Pumping level (62) it. whe	n pumping of
3. Is water from this well to be used for human consumption?	gpm for hours.	
Yes No		
4. Date well completed	18. FORMATIONS PASSED THROUGH T	HICKNESS DEPTH OF BOTTOM
5. Permanent Pump Installed? Yes No No	· Flan	41
Manufacturer Das nea Type Submersible) Jeans I	
Consoity (2) and Double of cotting (4)	Comestone	160 265
Capacity gpm. Depth of setting ft. 6. Well Top Sealed? Yes No No		
b. Well Top Sealed? Yes No		
7. Pitless Adaptor Installed? Yes Williams attached to care	. 6	
8. Well Disinfected? Yes No 'pasket connection	· .	
9. Water Sample Submitted? YesNo		
	•	
REMARKS: 1/2 gal galo pressure tank located in house		
	L	
	(CONTINUE ON SEPARATE SHEET IF NECESSARY)	
IDPH 4.065	SIGNED CALL DATE	1 horton
10 - 72	SIGNED DATE	

KNB-1

Coccepont Well & Purp

White Copy —
III. Dept of Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

INSTPICTIONS TO DRILLERS

FILL IN ALL PERTINENT INFO; ATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb materia b. Driven c. Drilled	al Bu	ried Slab: Yes_ e Diamin. in Drift	Depthft. In Rockft.
	a. Grout.	(KIND)	PROM (Pt.)	TO (Ft.)
	1	Cully	منوس	· 25 1/4
		Lauren	73	
			0	
	•	L	L	L
2.	Distance to Ne Building	Ft.	Seepage Tile Fie	ld 75
	Cess Pool			iron)
	Privy Septic Tank		Sewer (Cast Iron) Barnyard	
	Leaching Pit_		Manure Pile	
2	Well furnishes	water feethuman	conquertien? V	es_X_ No
. A	Date well comp	leted Mar	25 - 75	=S_A NO
Ψ.	Damment Dum	p Installed? Ye	Y Date 970	W 4-250
J.	Monufacturer (Typ	Joseph Joseph	30000
	Congcity 2	mm Denth of	Setting	105 Ft.
6	Well Ton Segler	d? Yes X No.	Type	
7.	Pitless Adapte	d? Yes <u>X</u> No. r J as talled? Ye	No.	
••	Manufacturer	man	Model Numb	er
	How attached to	o casina?	مارور المحمد	··
8.	Well Disinfecte	d? Yes_X	_ No	er
9.	Pump and Equip	pment Disinfecte	d? Yes	No
10.	Pressure Tonk	Size 42 gal,	Type 900	U ·
	1 /-4	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	//	
11.	Water Sample St	ubmitted? Yes	No	X
REI	wants:	DW mor	instru	

GEOLOGICAL	AND	WATER	SURVEYS	WELL.	RECOR
ATOTORICUT	שיות	MUTPH	DOLLATIO	пыы	

		\mathcal{L}				
10	Proper	ty owner Tallol	Make	Well No		
10.	Addres	- 0 / 0 /	JOGh A	20	• —	
	Drille		License	No. /	05	7-29
11	Permi	20210	Date	con	130	7-25
		from Stock	13. Coun		ul	又
		Formation		•	6	
	at dep	th <u>50</u> to <u>240</u> ft.	Sec.	بسميت	/ 	
14.		: Diamin. n:ft. Slot	_	35A	<u> </u>	
	Lengti	i:R. 510t	Rge.		Ľ	
15	Casina	g and Liner Pipe	Elev			
					_	SHO:
101	m. (ln.)	Kind and Weight	From (Ft.)	To (Ft.)		CATIO IN
_	ك	DK 15000		20	1	
L			<u> </u>		NE	2 ms
			i i		•	
16.	Size H	ole below casing: 5	in.			
		level 50 ft. below casi		h is	2	ft
		ground level. Pumping leve				20
		dionna seasi. Emmbind sea	<u> </u>	MUCH PE		4.52
	gpm fo	r hours.	er / 9.52 . 1(.	when be	mp.u.) ui <u></u>
10	gpm fo	rhours.				
18.	gpm fo	hours.		тніск		
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\frac{7}{-1}	gpm fo	rhours.	ЭН	THICK		
\frac{7}{-1}	PACA	PORMATIONS PASSED THROUGH	ЭН	THICK		